

RED HILLS 2 AMINE SPILL

Remediation Summary & Closure Report

NMOCD Incident No. nAPP2401752221
UL "J", Sec. 13, T24S, R33E 32.216972°, -103.524917°
Lea County, New Mexico

August 23, 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



August 23, 2024

Targa Resources
201 South 4th Street
Artesia, NM 88210

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

Re: Remediation Summary & Closure Report
Red Hills 2 Amine Spill
UL "J", Section 13, Township 24 South, Range 33 East
Lea County, New Mexico
NMOCD Incident No. nAPP2401752221
Tasman Project No. 7138

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.

Manual excavation was utilized to remove approximately 516 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
Senior Project Manager
bdennis@tasman-geo.com

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

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1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Remediation Summary and Closure Report for the Red Hills 2 Amine Spill (site) on behalf of Targa Resources (Targa) documenting the results of field activities conducted in response to a release of amines to environmental media.

1.1 Site Description

The site is located in Unit Letter "J", Section 13, Township 24 South, Range 33 East (32.216972°, -103.524917°) in Lea County, New Mexico. The property on which the release occurred is held by Targa.

1.2 Release Detail and Initial Response

On January 17, 2024, the release was discovered by Targa personnel. The release occurred due to valve failure on the Red Hills 2 amine system. A Notification of Release (NOR) and initial Form C-141 were provided to the New Mexico Oil Conservation District (NMOCD) via online portal on January 17 and 26, 2024, respectively. The release resulted in the loss of approximately 43 barrels (bbls) of a 55-45% mixture of freshwater and amine to the surrounding environmental media. Targa personnel shut in the system to isolate the release. The system was later repaired and returned to service. No amine 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 C-03917-POD1, is located 0.39 miles from the site. Static water level was measured at 420 feet below ground surface (ft bgs) in 2016.

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 United States Geologic Survey (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 C-03917-POD1. The well is located 0.39 miles from the site and as of 2016 was utilized for domestic use. The location of C-03917-POD1 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 San Simon Sink located 0.9 miles from the site. One freshwater emergent wetland was identified 0.82 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 (ft) 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:	~420 ft bgs	
Within an area of high karst potential?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of any continuously flowing of significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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. Therefore, the NMOCD Action Levels for a site with a depth to groundwater greater than 100 feet bgs are applicable at the site; these Action Levels are as follows:

Constituent	Remediation Action Level
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
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

In email correspondence with NMOCD representative Nelson Velez on January 31, 2024 (Appendix A), additional analysis of pH in confirmation soil samples were requested. No Action Level for soil is listed for this analysis by the NMOCD.

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. Since the

release occurred within the active Red Hills Plant facility, reclamation will be deferred until the time of facility abandonment.

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.
- pH – EPA Method 9045D

5.0 SUMMARY OF REMEDIAL ACTIVITIES

5.1 Remedial Activities

From April 8 to May 14, 2024, Tasman manually excavated 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 249-ft long by 91-ft wide at 0.5-ft deep and 51-ft long by 15-ft wide at 1-ft deep. Approximately 516 cubic yards of excavated material was exported to Northern Delaware Basin Landfill.

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

5.2 Confirmation Data Evaluation

On April 30, 2024, Targa provided a sampling notification via the NMOCD online portal (Appendix A). On May 6, 2024, Tasman mobilized to the site to collect confirmation soil samples from the base of the remedial excavation. Ninety-five confirmation soil samples were collected from the base of the excavation. Each confirmation soil sample was collected as a five-point composite representing approximately 200 square feet (ft²) or less of excavation base or sidewall area.

Concentrations of TPH were detected above the laboratory reported detection limit (RDL) in various samples but below the applicable NMOCD Action Level. Detected concentrations of TPH ranged from 25.5 milligrams per kilogram (mg/kg) in confirmation soil sample FL-95 to 1,022 mg/kg in confirmation soil sample FL-80.

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

Concentrations of benzene and total BTEX were detected above the laboratory RDL in various samples but below the applicable NMOCD Action Level. Detected concentrations ranged from 0.0270 mg/kg in confirmation soil sample FL-79 to 0.0472 mg/kg in confirmation soil sample FL-88 for benzene and 0.0265 mg/kg in confirmation soil sample FL-93 to 0.132 mg/kg in confirmation soil sample FL-88 for total BTEX.

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

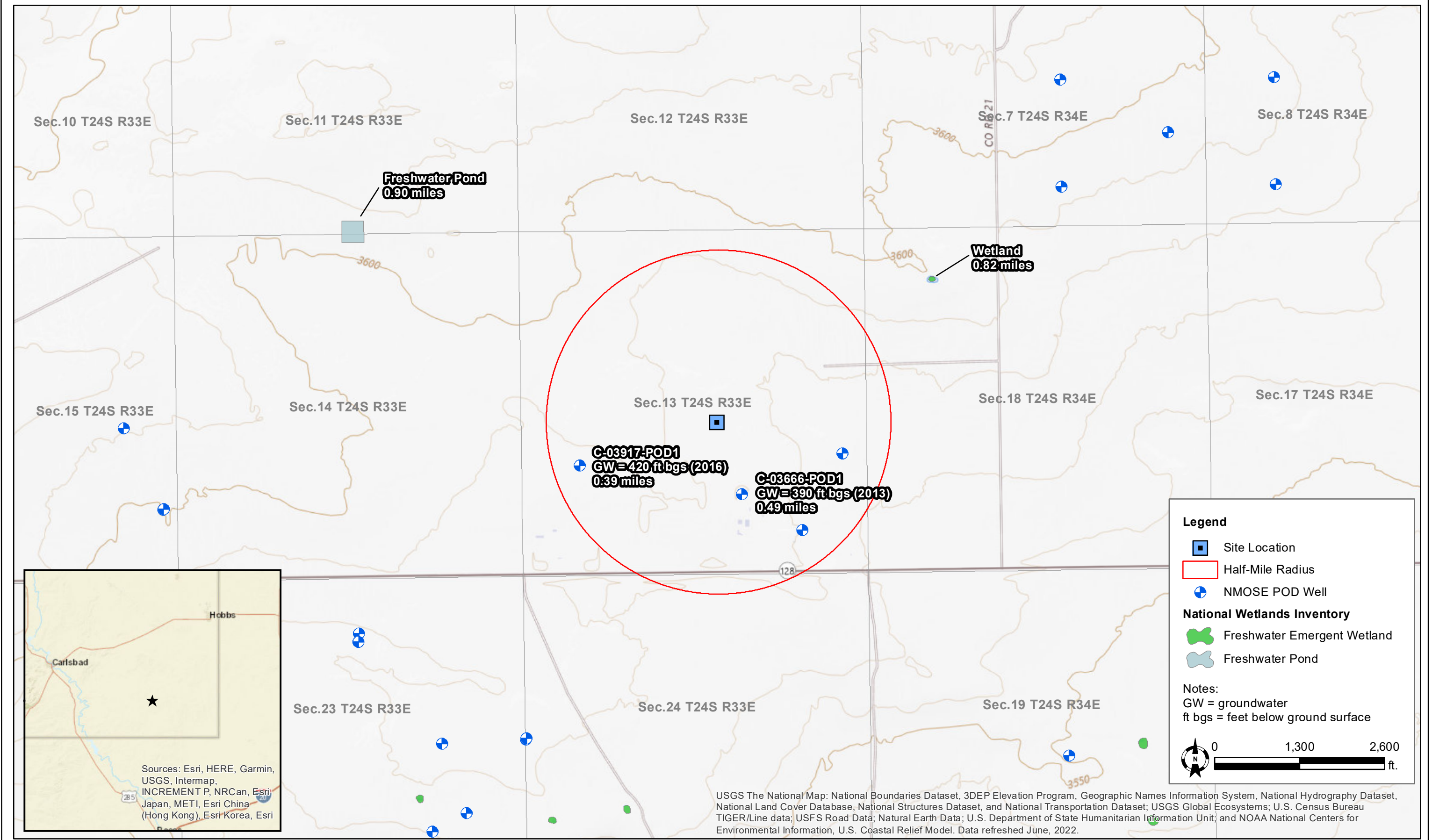
One five-point composite sample was collected of backfill material (Table 2). Laboratory analytical results confirm that backfill material does not contain concentrations of chemicals greater than NMOCD Reclamation levels. The remedial excavation was backfilled and returned to the condition that existed prior to the release to the greatest extent practicable. The release area occurred within an active gas plant; therefore, reclamation and revegetation will be deferred until the time of facility abandonment.



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:	June 2024
DESIGNED BY:	B. Dennis
DRAWN BY:	B. Dennis

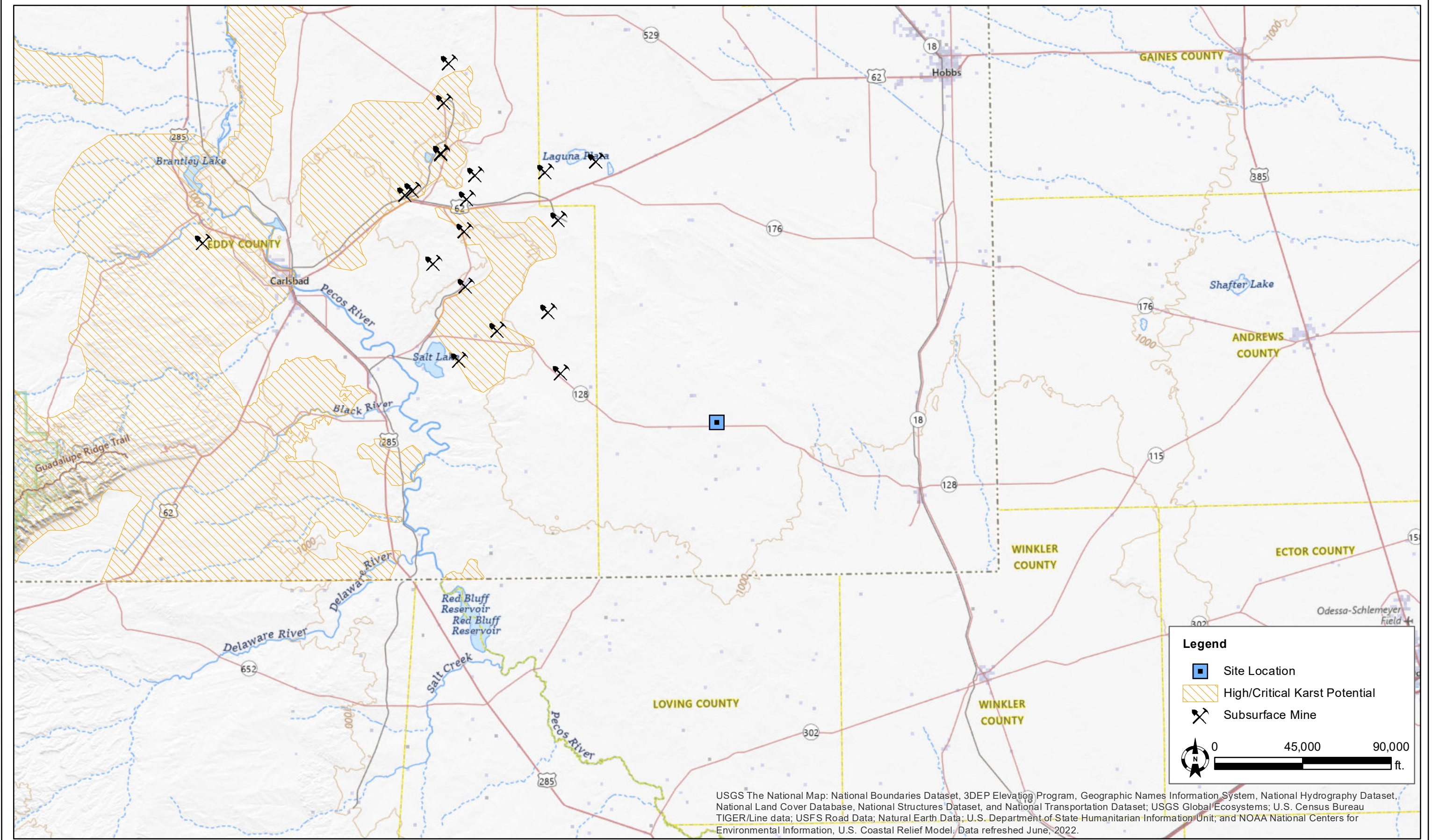


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6855 W. 119th Ave
Broomfield, CO 80020

Targa Resources
Red Hills 2 Amine Spill
UL "J", Sec. 13, T24S, R33E
Lea County, New Mexico

Site Location & Groundwater
Map

Figure
1



DATE:	June 2024
DESIGNED BY:	B. Dennis
DRAWN BY:	B. Dennis

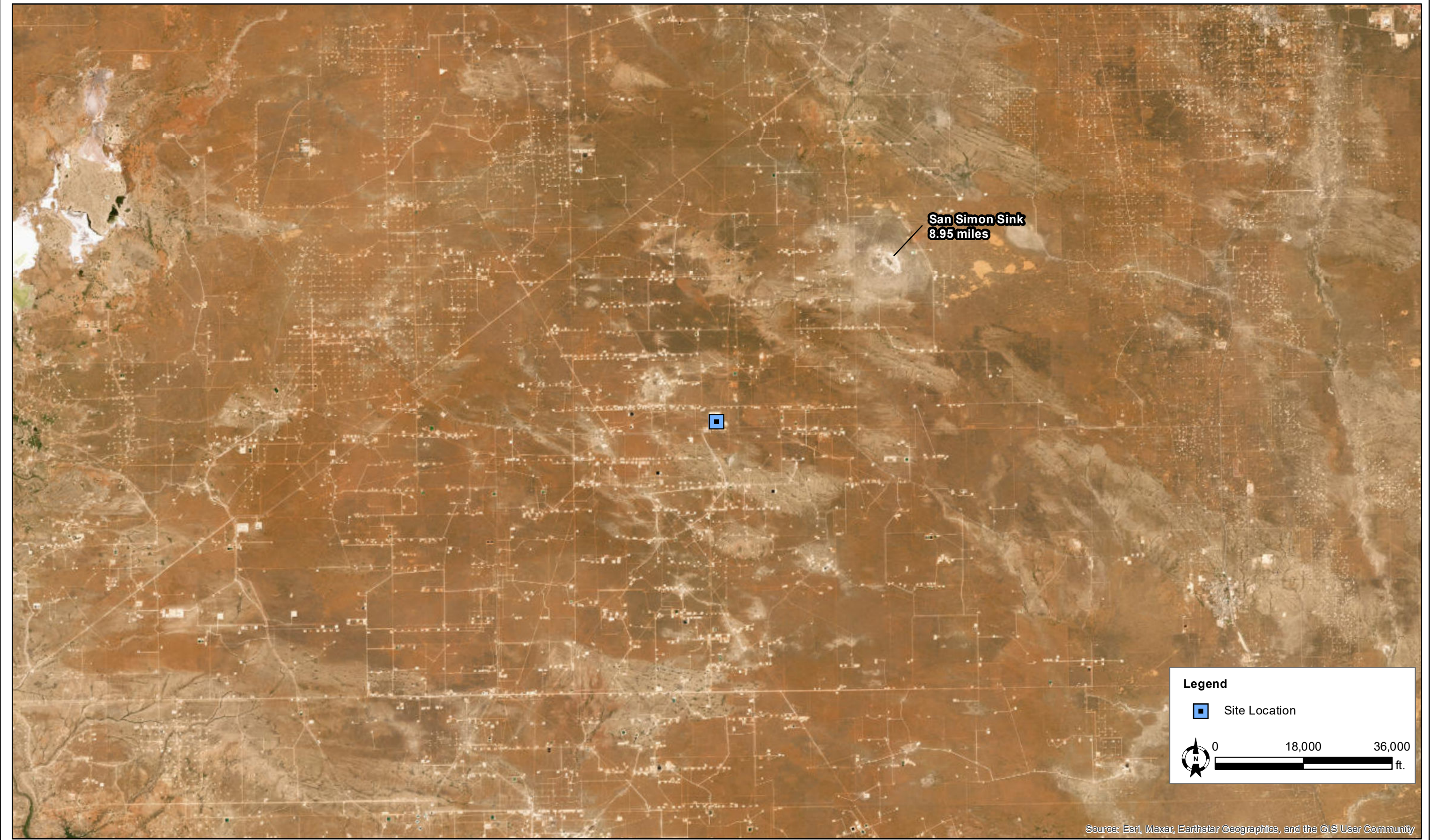


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Karst Potential & Subsurface
Mine Map

Figure
2



DATE:	June 2024
DESIGNED BY:	B. Dennis
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Lea County, New Mexico

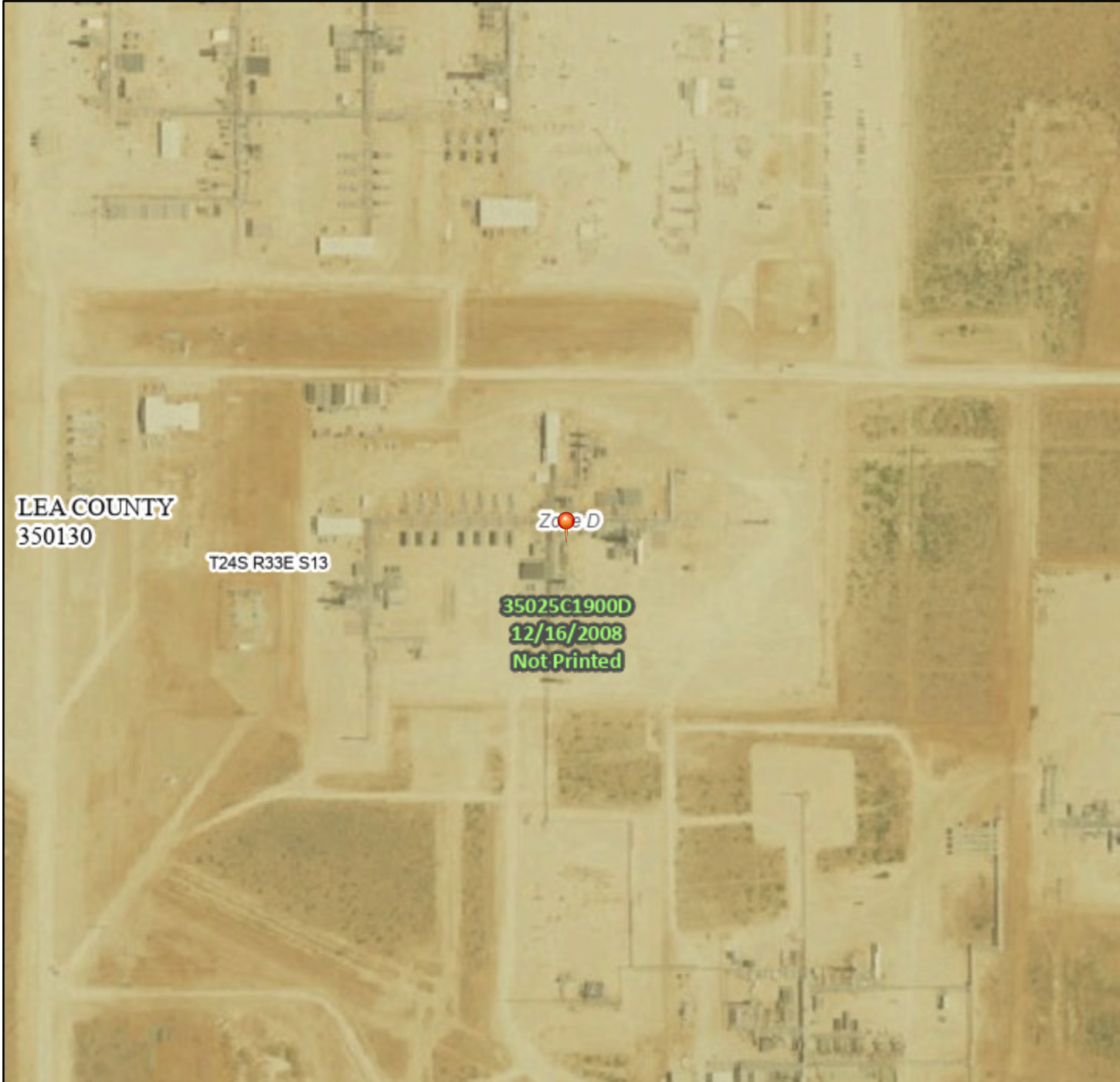
Surface Water Map

Figure
3

National Flood Hazard Layer FIRMette



103°31'48"W 32°13'16"N



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

1:6,000

103°31'11"W 32°12'45"N

Released to Imaging: 2/26/2025 12:20:50 PM

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
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		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
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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 6/27/2024 at 7:06 PM 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:	June 2024
DESIGNED BY:	K. Stark
DRAWN BY:	K. Stark



Tasman, Inc.
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Targa Resources
Red Hills 2 Amine Spill
UL "J", Sec. 13, T24S, R33E
Lea County, New Mexico

Excavation Overview Map

Figure
5

Table

TABLE 1 - SOIL ANALYTICAL SUMMARY - CONFIRMATION SOIL SAMPLES

Targa Resources
Red Hills 2 Amine Spill
NMOCD Incident No. nAPP2401752221

Sample ID	Sample Depth (ft)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)	pH
								GRO	DRO	MRO	TOTAL		
FL-1	0.5	5/6/2024	In-Situ	2.6	178	<0.0250	<0.0250	<20.0	89.1	54.2	143	32.0	8.26
FL-2	0.5	5/6/2024	In-Situ	40.8	337	<0.0250	0.094	<20.0	269	124	393	67.1	8.70
FL-3	0.5	5/6/2024	In-Situ	27.0	259	0.0290	0.093	<20.0	230	94.8	325	71.2	8.44
FL-4	0.5	5/6/2024	In-Situ	19.9	211	<0.0250	<0.0250	<20.0	207	89.1	296	97.5	8.29
FL-5	0.5	5/6/2024	In-Situ	1.5	172	<0.0250	<0.0250	<20.0	84.0	<50.0	84.0	71.7	8.23
FL-6	0.5	5/6/2024	In-Situ	2.0	246	<0.0250	<0.0250	<20.0	75.8	<50.0	75.8	82.2	8.12
FL-7	0.5	5/6/2024	In-Situ	2.1	232	<0.0250	<0.0250	<20.0	85.4	<50.0	85.4	60.1	7.97
FL-8	0.5	5/6/2024	In-Situ	3.1	287	<0.0250	<0.0250	<20.0	181	73.4	254	86.0	7.94
FL-9	0.5	5/6/2024	In-Situ	2.8	260	<0.0250	<0.0250	<20.0	160	62.4	222	140	7.90
FL-10	0.5	5/6/2024	In-Situ	2.6	242	<0.0250	<0.0250	<20.0	64.6	<50.0	64.6	99.9	8.22
FL-11	0.5	5/6/2024	In-Situ	2.7	176	<0.0250	<0.0250	<20.0	27.8	<50.0	27.8	55.0	8.01
FL-12	0.5	5/6/2024	In-Situ	2.4	200	<0.0250	<0.0250	<20.0	43.6	<50.0	43.6	62.9	8.11
FL-13	0.5	5/6/2024	In-Situ	2.2	235	<0.0250	<0.0250	<20.0	70.2	<50.0	70.2	50.7	8.02
FL-14	0.5	5/6/2024	In-Situ	2.9	171	<0.0250	<0.0250	<20.0	72.3	<50.0	72.3	56.6	8.14
FL-15	0.5	5/6/2024	In-Situ	2.5	199	<0.0250	<0.0250	<20.0	55.1	<50.0	55.1	71.0	8.21
FL-16	0.5	5/6/2024	In-Situ	2.4	212	<0.0250	<0.0250	<20.0	59.2	<50.0	59.2	82.3	8.21
FL-17	0.5	5/6/2024	In-Situ	3.0	234	<0.0250	<0.0250	<20.0	48.9	<50.0	48.9	61.4	8.22
FL-18	0.5	5/6/2024	In-Situ	7.4	274	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	46.5	8.04
FL-19	0.5	5/6/2024	In-Situ	2.1	255	<0.0250	<0.0250	<20.0	26.5	<50.0	26.5	57.6	8.15
FL-20	0.5	5/6/2024	In-Situ	0.4	286	<0.0250	<0.0250	<20.0	29.7	<50.0	29.7	45.1	8.01
FL-21	0.5	5/6/2024	In-Situ	1.6	335	<0.0250	<0.0250	<20.0	31.8	<50.0	31.8	47.6	8.07
FL-22	0.5	5/6/2024	In-Situ	0.4	246	<0.0250	<0.0250	<20.0	39.5	<50.0	39.5	35.5	8.56
FL-23	0.5	5/6/2024	In-Situ	2.4	237	<0.0250	<0.0250	<20.0	38.4	53.9	92.3	36.7	8.18
FL-24	0.5	5/6/2024	In-Situ	2.5	227	<0.0250	<0.0250	<20.0	25.3	<50.0	25.3	38.1	8.33
FL-25	0.5	5/6/2024	In-Situ	2.8	235	<0.0250	<0.0250	<20.0	36.9	<50.0	36.9	23.8	7.89
FL-26	0.5	5/6/2024	In-Situ	2.7	273	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	31.0	7.89
FL-27	0.5	5/6/2024	In-Situ	2.2	228	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	40.8	8.03
FL-28	0.5	5/6/2024	In-Situ	1.9	226	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	27.6	8.02
FL-29	0.5	5/6/2024	In-Situ	2.2	144	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	32.9	8.98
FL-30	0.5	5/6/2024	In-Situ	2.6	140	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<20.0	8.05
FL-31	0.5	5/6/2024	In-Situ	2.6	182	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	28.2	8.34
FL-32	0.5	5/6/2024	In-Situ	2.1	182	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	30.1	8.37
FL-33	0.5	5/6/2024	In-Situ	2.8	182	<0.0250	<0.0250	<20.0	143	81.6	224	31.0	7.94
FL-34	0.5	5/6/2024	In-Situ	1.0	171	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	21.1	7.83
FL-35	0.5	5/6/2024	In-Situ	2.7	208	<0.0250	<0.0250	<20.0	29.6	<50.0	29.6	35.7	7.99
FL-36	0.5	5/6/2024	In-Situ	1.7	198	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	36.9	7.91
FL-37	0.5	5/6/2024	In-Situ	1.7	230	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	27.5	7.96
FL-38	0.5	5/6/2024	In-Situ	1.9	254	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	31.4	8.22
FL-39	0.5	5/6/2024	In-Situ	0.4	194	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	41.3	8.40
FL-40	0.5	5/6/2024	In-Situ	0.6	229	<0.0250	<0.0250	<20.0	55.9	<50.0	55.9	36.5	8.35
FL-41	0.5	5/6/2024	In-Situ	1.2	269	<0.0250	<0.0250	<20.0	28.0	<50.0	28.0	67.1	7.99
NMOCD Remediation and Delineation Standards ⁵				N/A	N/A	10	50	1,000		N/A	2,500	20,000	N/A

TABLE 1 - SOIL ANALYTICAL SUMMARY - CONFIRMATION SOIL SAMPLES

Targa Resources
Red Hills 2 Amine Spill
NMOCD Incident No. nAPP2401752221

Sample ID	Sample Depth (ft)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)	pH
								GRO	DRO	MRO	TOTAL		
FL-42	0.5	5/6/2024	In-Situ	1.1	197	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	69.9	7.85
FL-43	0.5	5/6/2024	In-Situ	1.4	170	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	51.7	7.99
FL-44	0.5	5/6/2024	In-Situ	2.1	238	<0.0250	<0.0250	<20.0	37.5	<50.0	37.5	39.1	8.40
FL-45	0.5	5/6/2024	In-Situ	0.6	265	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	29.5	7.98
FL-46	0.5	5/6/2024	In-Situ	0.4	257	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	34.2	8.13
FL-47	0.5	5/6/2024	In-Situ	2.3	276	<0.0250	<0.0250	<20.0	101	55.4	156	22.3	8.16
FL-48	0.5	5/6/2024	In-Situ	0.9	179	<0.0250	<0.0250	<20.0	113	71.4	184	37.3	8.22
FL-49	0.5	5/6/2024	In-Situ	1.1	194	<0.0250	<0.0250	<20.0	255	144	399	35.6	8.41
FL-50	0.5	5/6/2024	In-Situ	1.6	232	<0.0250	<0.0250	<20.0	49.0	<50.0	49.0	30.0	7.92
FL-51	0.5	5/6/2024	In-Situ	1.6	205	<0.0250	<0.0250	<20.0	93.1	<50.0	93.1	54.3	8.06
FL-52	0.5	5/6/2024	In-Situ	0.7	252	<0.0250	<0.0250	<20.0	70.9	<50.0	70.9	27.0	8.29
FL-53	0.5	5/6/2024	In-Situ	1.5	151	<0.0250	<0.0250	<20.0	120	76.7	197	25.3	8.18
FL-54	0.5	5/6/2024	In-Situ	1.7	148	<0.0250	<0.0250	<20.0	55.4	<50.0	55.4	31.9	8.01
FL-55	0.5	5/6/2024	In-Situ	1.8	237	<0.0250	<0.0250	<20.0	57.1	<50.0	57.1	44.5	8.23
FL-56	0.5	5/6/2024	In-Situ	0.9	181	<0.0250	<0.0250	<20.0	262	<50.0	262	28.6	8.48
FL-57	0.5	5/6/2024	In-Situ	1.9	181	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	37.3	8.07
FL-58	0.5	5/6/2024	In-Situ	1.4	271	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	43.0	8.09
FL-59	0.5	5/6/2024	In-Situ	2.0	211	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	41.9	8.50
FL-60	0.5	5/6/2024	In-Situ	2.2	144	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	36.8	8.13
FL-61	0.5	5/6/2024	In-Situ	2.6	199	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	29.7	8.15
FL-62	0.5	5/6/2024	In-Situ	2.7	199	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	33.1	8.19
FL-63	0.5	5/6/2024	In-Situ	1.7	171	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	36.6	8.16
FL-64	0.5	5/6/2024	In-Situ	1.8	260	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	40.2	8.21
FL-65	0.5	5/6/2024	In-Situ	3.3	181	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	41.4	8.16
FL-66	0.5	5/6/2024	In-Situ	2.9	331	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	40.9	8.23
FL-67	0.5	5/6/2024	In-Situ	2	258	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	45.9	8.24
FL-68	0.5	5/6/2024	In-Situ	3.3	276	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	31.3	8.52
FL-69	0.5	5/6/2024	In-Situ	3.8	205	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	31.6	8.39
FL-70	0.5	5/6/2024	In-Situ	3.8	213	<0.0250	<0.0250	<20.0	46.1	<50.0	46.1	45.9	8.44
FL-71	0.5	5/6/2024	In-Situ	2.7	142	<0.0250	<0.0250	<20.0	47.0	<50.0	47.0	34.9	8.22
FL-72	0.5	5/6/2024	In-Situ	2.4	151	<0.0250	<0.0250	<20.0	68.2	<50.0	68.2	25.7	8.25
FL-73	0.5	5/6/2024	In-Situ	2.7	201	<0.0250	<0.0250	<20.0	135	<50.0	135	33.0	8.59
FL-74	0.5	5/6/2024	In-Situ	2.4	286	<0.0250	<0.0250	<20.0	148	<50.0	148	30.3	8.84
FL-75	0.5	5/6/2024	In-Situ	2.1	283	<0.0250	<0.0250	<20.0	131	<50.0	131	38.5	9.11
FL-76	0.5	5/6/2024	In-Situ	3.5	278	<0.0250	<0.0250	<20.0	28.4	<50.0	28.4	27.8	8.49
FL-77	0.5	5/6/2024	In-Situ	4.7	225	<0.0250	<0.0250	<20.0	378	<50.0	378	51.5	9.23
FL-78	0.5	5/6/2024	In-Situ	4.6	120	0.0290	<0.0250	<20.0	131	<50.0	131	24.6	8.45
FL-79	0.5	5/6/2024	In-Situ	2.9	145	0.0270	<0.0250	<20.0	87.8	<50.0	87.8	38.9	8.24
FL-80	0.5	5/6/2024	In-Situ	2.2	176	<0.0250	<0.0250	<20.0	834	188	1,022	56.2	8.88
FL-81	0.5	5/6/2024	In-Situ	3.4	305	<0.0250	<0.0250	<20.0	781	52.4	833	53.8	9.46
FL-82	0.5	5/6/2024	In-Situ	4.8	256	<0.0250	0.0288	<20.0	103	<50.0	103	20.6	9.17
NMOCD Remediation and Delineation Standards ⁵				N/A	N/A	10	50	1,000		N/A	2,500	20,000	N/A

TABLE 1 - SOIL ANALYTICAL SUMMARY - CONFIRMATION SOIL SAMPLES

Targa Resources
Red Hills 2 Amine Spill
NMOCD Incident No. nAPP2401752221

Sample ID	Sample Depth (ft)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX ¹ (mg/kg)	TPH ² (mg/kg)				Chloride ³ (mg/kg)	pH
								GRO	DRO	MRO	TOTAL		
FL-83	0.5	5/6/2024	In-Situ	4.1	286	<0.0250	<0.0250	<20.0	366	<50.0	366	36.9	9.23
FL-84	0.5	5/6/2024	In-Situ	2.6	236	<0.0250	<0.0250	<20.0	292	53.6	346	36.0	9.02
FL-85	0.5	5/6/2024	In-Situ	2.7	243	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	54.3	8.09
FL-86	0.5	5/6/2024	In-Situ	3.7	299	<0.0250	0.0331	<20.0	154	<50.0	154	<20.0	8.48
FL-87	1	5/6/2024	In-Situ	4.2	175	0.0288	0.0927	<20.0	95.1	<50.0	95.1	<20.0	8.59
FL-88	1	5/6/2024	In-Situ	3.7	196	0.0472	0.132	<20.0	90.8	<50.0	90.8	<20.0	8.77
FL-89	1	5/6/2024	In-Situ	4.1	255	0.0281	0.0894	<20.0	56.1	<50.0	56.1	51.9	8.01
FL-90	0.5	5/6/2024	In-Situ	2.5	224	<0.0250	<0.0250	<20.0	69.9	<50.0	69.5	36.3	8.16
FL-91	0.5	5/6/2024	In-Situ	3.5	150	<0.0250	<0.0250	<20.0	236	<50.0	236	47.0	8.03
FL-92	0.5	5/6/2024	In-Situ	4.8	231	<0.0250	0.0434	<20.0	68.7	<50.0	68.7	28.5	8.11
FL-93	0.5	5/6/2024	In-Situ	2.8	255	<0.0250	0.0265	<20.0	42.0	<50.0	42.0	35.2	8.26
FL-94	0.5	5/6/2024	In-Situ	3.3	294	<0.0250	<0.0250	<20.0	33.8	<50.0	33.8	<20.0	8.37
FL-95	0.5	5/6/2024	In-Situ	3.8	309	<0.0250	<0.0250	<20.0	25.5	<50.0	25.5	<20.0	8.27
Backfill Soil Samples													
Backfill	---	8/1/2024	In-Situ	0.0	201	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	50.4	---
NMOCD Remediation and Delineation Standards ⁵				N/A	N/A	10	50	1,000		N/A	2,500	20,000	N/A

Notes:

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
2. TPH = Total petroleum hydrocarbons analyzed by method EPA 8015M (GRO/DRO/MRO)
3. Chloride - Analyzed by EPA method SM4500
4. pH - Analyzed by EPA method 9045D
5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (NMAC 19.15.29.12(N))

N/A = Not applicable

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

<RDL = The analyte was not detected above the laboratory reported detection limit (RDL)

Ft. = Feet

Appendix A – Initial Form C-141 and NMOCD Notifications

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	304595	Districts:	Hobbs
Operator:	[331548] Targa Northern Delaware, LLC.	Counties:	Lea
Description:	Targa Northern Delaware, LLC. [331548] , Red Hills Plant , nAPP2401752221		
Status:	APPROVED		
Status Date:	01/17/2024		
References (1):	nAPP2401752221		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	Red Hills Plant
Date Release Discovered	01/17/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Release Other
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	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. “Major release” determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

Acknowledgments

- ☒ I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
- ☒ I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
- ☒ I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
- ☒ 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.
- ☒ I acknowledge the fact that 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.
- ☒ I acknowledge the fact that, 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.

Comments

No comments found for this submission.

Conditions

Summary: *tillmana (1/17/2024)*, When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Reasons

No reasons found for this submission.

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

1220 South St. Francis Drive | Santa Fe, NM 87505 | P: (505) 476-3200 | F: (505) 476-3220

EMNRD Home OCD Main Page OCD Rules Help

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	308235	Districts:	Hobbs
Operator:	[331548] Targa Northern Delaware, LLC.	Counties:	Lea
Description:	Targa Northern Delaware, LLC. [331548] , Red Hills Plant , nAPP2401752221		
Status:	APPROVED		
Status Date:	01/30/2024		
References (1):	nAPP2401752221		

Forms

Attachments:	Volume Calculation
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Questions

Prerequisites

Incident ID (n#)	nAPP2401752221
Incident Name	NAPP2401752221 RED HILLS PLANT @ 0
Incident Type	Release Other
Incident Status	Initial C-141 Received

Location of Release Source

Please answer all the questions in this group.

Site Name	Red Hills Plant
Date Release Discovered	01/17/2024
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Release <div>Other</div>
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

Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Tank (Any) Other Specify) Released: 43 BBL Recovered: 0 BBL Lost: 43 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	45% amine/55% water solution

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. “Major release” determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

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 on 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 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 operator 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 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: 01/26/2024
--	--

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)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.

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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.

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 No

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 then it should consult with the division to determine if another remediation plan submission is required.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: scwells (1/30/2024), None

Reasons

No reasons found for this submission.

Go Back

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	339250	Districts:	Hobbs
Operator:	[331548] Targa Northern Delaware, LLC.	Counties:	Lea
Description:	Targa Northern Delaware, LLC. [331548] , Red Hills Plant , nAPP2401752221		
Status:	APPROVED		
Status Date:	04/30/2024		
References (1):	nAPP2401752221		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2401752221
Incident Name	NAPP2401752221 RED HILLS PLANT @ 0
Incident Type	Release Other
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Red Hills Plant
Date Release Discovered	01/17/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	18,400
What is the estimated number of samples that will be gathered	92
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2024
Time sampling will commence	08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Please call Amber Groves at 575-635-9096 for further information.
Please provide any information necessary for navigation to sampling site	Please call Amber Groves at 575-635-9096 for further information.

Comments

No comments found for this submission.

Conditions

Summary: *amberg (4/30/2024)*, 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.

Reasons

No reasons found for this submission.

Go Back

From: [Groves, Amber L.](#)
To: [Brett Dennis](#)
Subject: FW: [EXTERNAL] Amine Release
Date: Friday, August 2, 2024 12:23:05 PM
Attachments: [image001.jpg](#)
[Outlook-gtchxdcl.png](#)

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Wednesday, January 31, 2024 2:11 PM
To: Groves, Amber L. <agroves@targaresources.com>
Cc: Austin, Tillman <jaustin@targaresources.com>; Reynolds, Sylvania A. <sreynolds@targaresources.com>
Subject: Re: [EXTERNAL] Amine Release

Good afternoon Amber,

Thank you for your inquiry.

To cover all the bases, sample per Table 1 of 19.15.29 NMAC and pH.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

If you have any questions, please contact me at your convenience.

Have a good and safe day.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

<http://www.emnrd.state.nm.us/OCD/>



From: Groves, Amber L. <agroves@targaresources.com>
Sent: Wednesday, January 31, 2024 12:20 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Austin, Joseph T. <jaustin@targaresources.com>; Reynolds, Sylwia A. <sreynolds@targaresources.com>
Subject: [EXTERNAL] Amine Release

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon, Nelson!

We submitted an amine release this week and I wanted to touch base with you on what kind of samples OCD will want to see in the closure report, please? I would greatly appreciate your guidance so we know that our bases are covered with our samples on the project.

Thank you!

Amber



Amber Groves | Targa Resources | Sr. Environmental Specialist
Cell: (575)635-9096 | agroves@targaresources.com

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Appendix B – Depth to Groundwater Information



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

					OSE FILE NUMBER(S) C-3917		
WELL OWNER NAME(S) MARK McCLOY					PHONE (OPTIONAL)		
WELL OWNER MAILING ADDRESS BOX 795					CITY TATUM	STATE NM	ZIP 88267
WELL LOCATION (FROM GPS)	DEGREES		MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
	LATITUDE	32	12	54.52			
	LONGITUDE	103	31	54.52	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

LICENSE NUMBER WD-1058		NAME OF LICENSED DRILLER CASEY KEY			NAME OF WELL DRILLING COMPANY KEYS DRILLING & PUMP SERVICE INC.		
DRILLING STARTED 03/1/16	DRILLING ENDED 03/4/16	DEPTH OF COMPLETED WELL (FT) 600'	BORE HOLE DEPTH (FT) 600'	DEPTH WATER FIRST ENCOUNTERED (FT) 520'			
COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 420'		
DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
DRILLING METHOD: <input type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							

DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
FROM	TO						
-1.50	20	10-3/4	STEEL		10"	1/4"	
-1.50	300	9-7/8	PVC SCH 40	SPLINE	6"	SCH 40	
300	600	9-7/8	PVC SCH 40	SPLINE	6"	SCH 40	032

DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
FROM	TO				
0	20	10-3/4	CEMENT		TOP POUR
20	600	9-7/8	GRAVEL PACK		TOP POUR

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

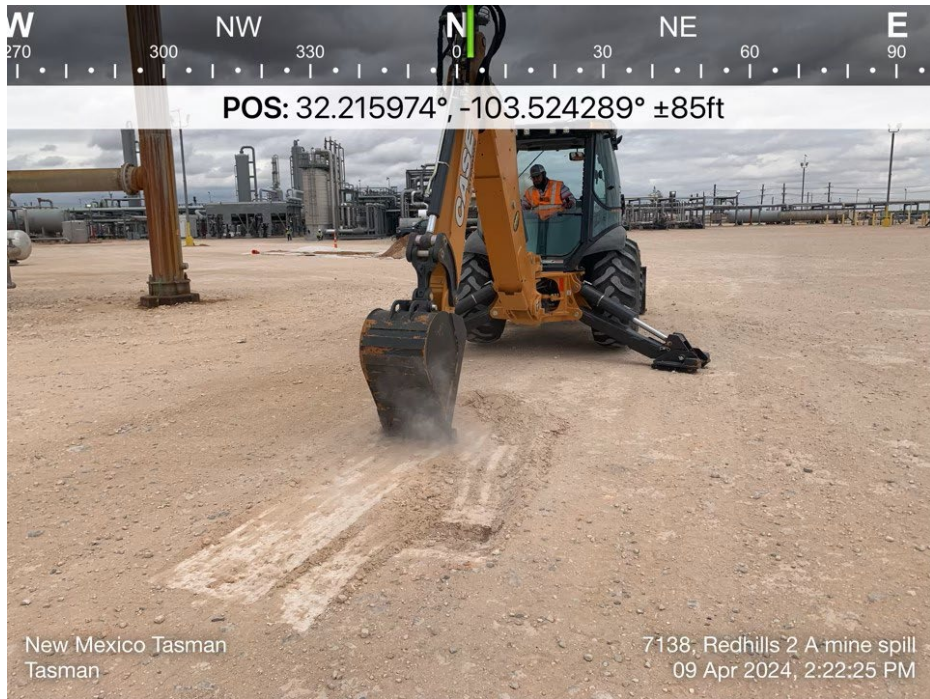
FILE NUMBER	C-3917	POD NUMBER	1	TRN NUMBER	578203
LOCATION	243.33E 13.314				PAGE 1 OF 2

Released to Imaging: 2/26/2025 12:20:50 PM

Appendix C – Photographic Log

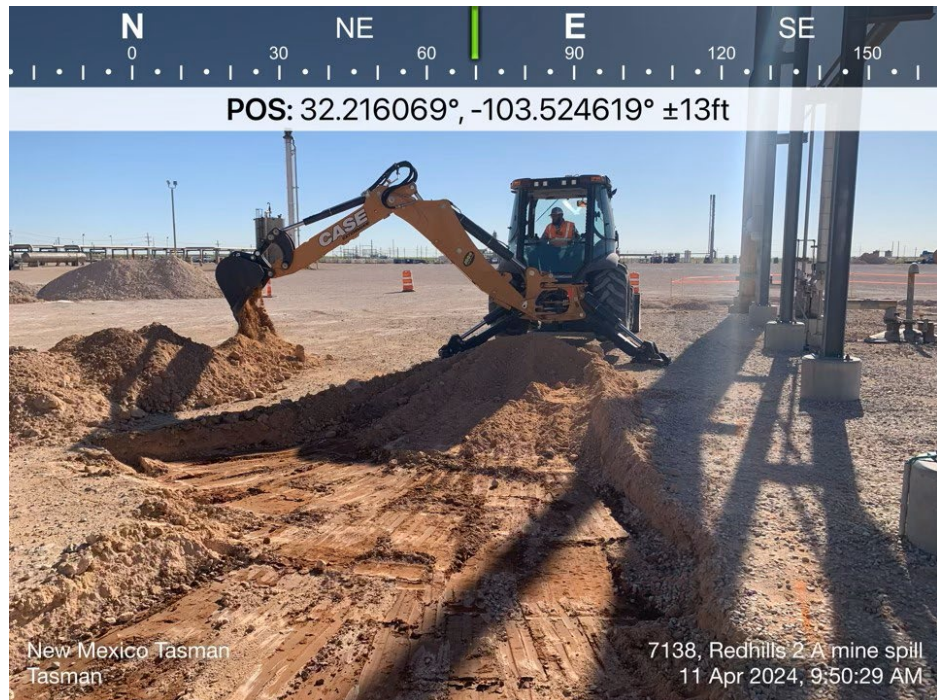
Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



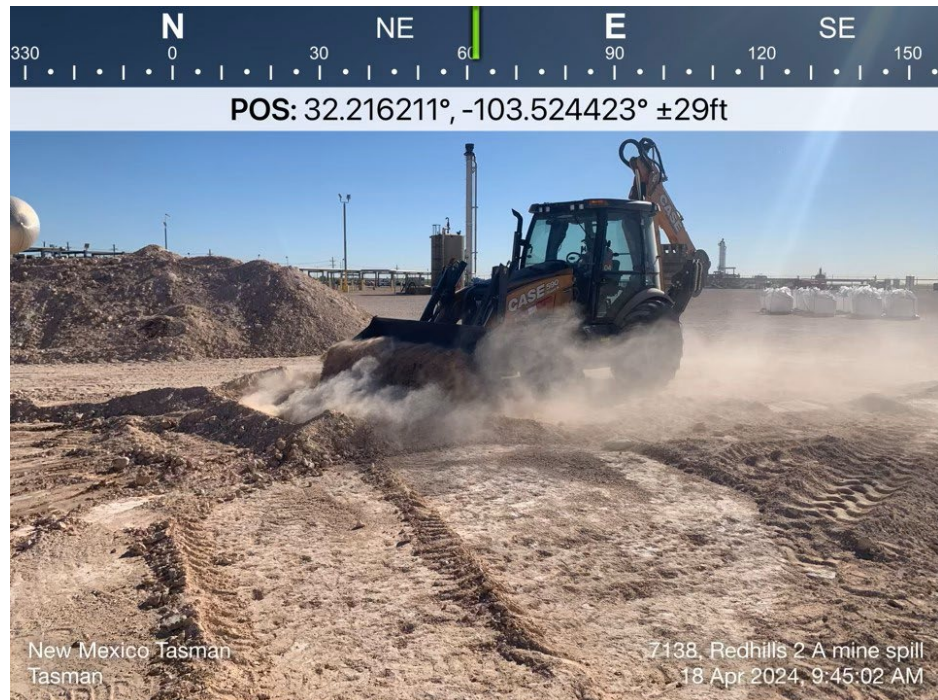
Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



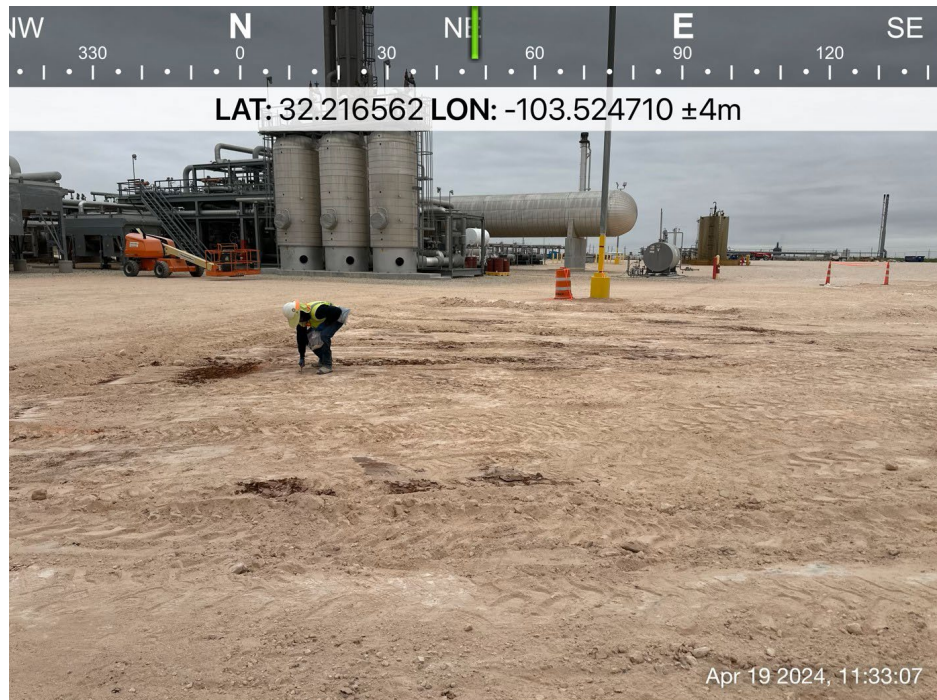
Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



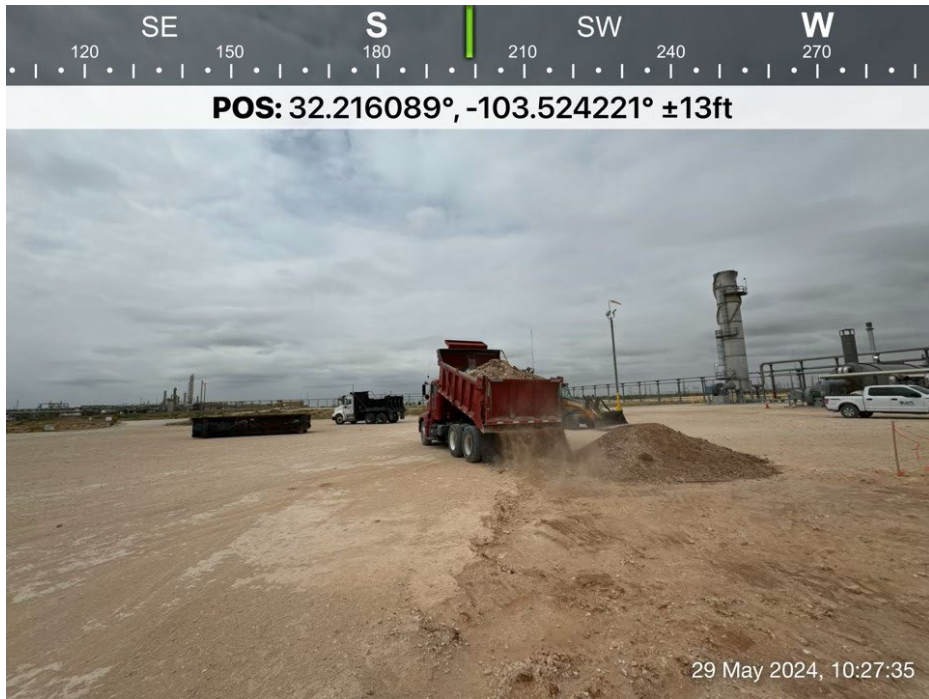
Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



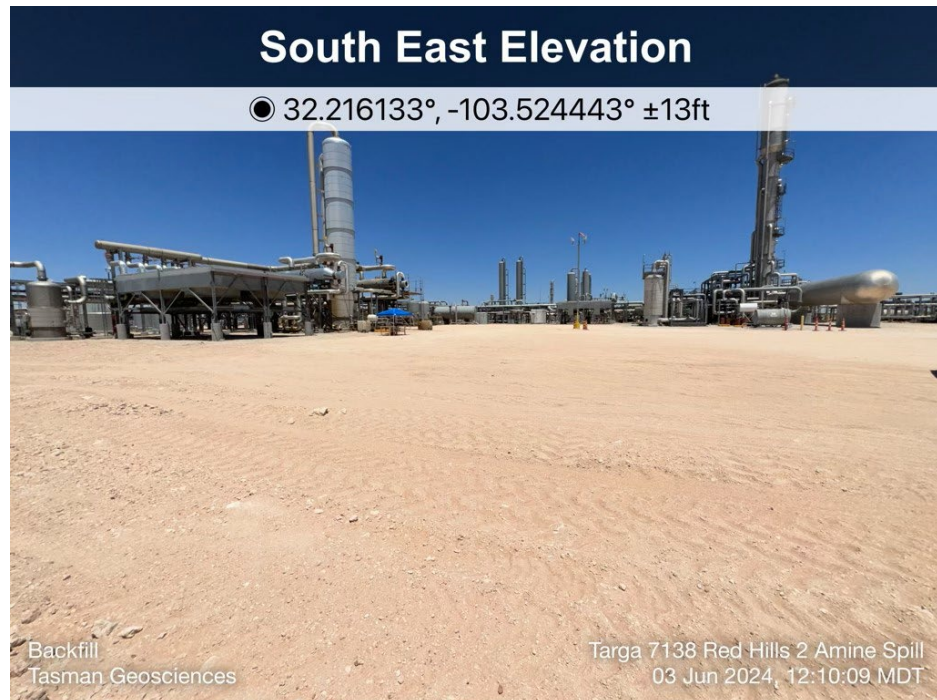
Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



Targa Resources

Red Hills 2 Amine Spill – nAPP2401752221



Appendix D – Certified Laboratory Analytical Reports

Report to:
Brett Dennis



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405107

Job Number: 21102-0001

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24



Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405107
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 15:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-1	E405107-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-2	E405107-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-3	E405107-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-4	E405107-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-5	E405107-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-6	E405107-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-7	E405107-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-8	E405107-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-9	E405107-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-10	E405107-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-11	E405107-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-12	E405107-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-13	E405107-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-14	E405107-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-15	E405107-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-16	E405107-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-17	E405107-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-18	E405107-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-19	E405107-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-20	E405107-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa 12600 WCR 91 Midland TX, 79707	Project Name: 7138_Red_Hills_2_Amine_Spill Project Number: 21102-0001 Project Manager: Brett Dennis	Reported: 5/15/2024 3:16:51PM
--	---	----------------------------------

FL-1

E405107-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		106 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.26		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		106 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	89.1	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	54.2	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		112 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	32.0	20.0	1	05/09/24	05/09/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-2
E405107-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0505	0.0250	1	05/08/24	05/12/24	
o-Xylene	0.0410	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	0.0525	0.0500	1	05/08/24	05/12/24	
Total Xylenes	0.0935	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene	114 %	70-130		05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		05/08/24	05/12/24	
Surrogate: Toluene-d8	107 %	70-130		05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.70		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene	114 %	70-130		05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		05/08/24	05/12/24	
Surrogate: Toluene-d8	107 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	269	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	124	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane	113 %	50-200		05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	67.1	20.0	1	05/09/24	05/09/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-3

E405107-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	0.0290	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0765	0.0250	1	05/08/24	05/12/24	
o-Xylene	0.0285	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	0.0645	0.0500	1	05/08/24	05/12/24	
Total Xylenes	0.0930	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.44		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	230	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	94.8	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		108 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	71.2	20.0	1	05/09/24	05/09/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-4

E405107-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0615	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.29		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	207	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	89.1	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	97.5	20.0	1	05/09/24	05/09/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-5

E405107-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.23		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	84.0	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	71.7	20.0	1	05/09/24	05/09/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-6

E405107-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.12		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	75.8	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		104 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	82.2	20.0	1	05/09/24	05/09/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-7

E405107-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		119 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	7.97		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		119 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	85.4	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		112 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	60.1	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-8

E405107-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		116 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	7.94		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		116 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	181	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	73.4	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		113 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	86.0	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-9

E405107-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	7.90		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	160	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	62.4	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		112 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	140	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-10

E405107-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.22		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	64.6	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		114 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	99.9	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-11

E405107-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		99.8 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.01		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		99.8 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	27.8	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		104 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	55.0	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-12

E405107-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.11		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	43.6	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		110 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	62.9	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-13

E405107-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	109 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	101 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.02		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	109 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	101 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	70.2	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane	115 %	50-200		05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	50.7	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-14

E405107-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		107 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.14		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		107 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	72.3	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	56.6	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-15

E405107-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.21		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	55.1	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	71.0	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-16
E405107-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.21		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	59.2	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		118 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	82.3	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405107-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.22		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	48.9	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		110 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	61.4	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405107-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.04		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		109 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	46.5	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

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E405107-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.15		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	26.5	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	57.6	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

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E405107-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.01		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	29.7	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		117 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	45.1	20.0	1	05/09/24	05/10/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2419119-BLK1)

Prepared: 05/08/24 Analyzed: 05/12/24

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: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2419119-BS1)

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.27	0.0500	5.00		105	70-130			
Total Xylenes	7.89	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2419119-MS1)

Source: E405107-04

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.71	0.0250	2.50	0.0615	106	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.38	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.06	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.593		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2419119-MSD1)

Source: E405107-04

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.60	0.0250	2.50	ND	104	48-131	1.45	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	2.19	27	
Toluene	2.63	0.0250	2.50	0.0615	103	48-130	2.89	24	
o-Xylene	2.60	0.0250	2.50	ND	104	43-135	2.77	27	
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135	3.47	27	
Total Xylenes	7.80	0.0250	7.50	ND	104	43-135	3.23	27	
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2419153-BS1)	Prepared: 05/09/24 Analyzed: 05/09/24								
pH	7.96		8.00		99.5	98.75-101.25			
Duplicate (2419153-DUP1)	Source: E405107-03 Prepared: 05/09/24 Analyzed: 05/09/24								
pH	8.40			8.44		0.487	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2419119-BLK1) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2419119-BS2) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike (2419119-MS2) Source: E405107-04 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0	ND	118	70-130			
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2419119-MSD2) Source: E405107-04 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0	ND	118	70-130	0.0212	20	
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

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 (2419185-BLK1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.3		50.0		115	50-200			

LCS (2419185-BS1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	305	25.0	250		122	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			

LCS Dup (2419185-BSD1)					Prepared: 05/10/24 Analyzed: 05/15/24				
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132	6.26	20	
Surrogate: n-Nonane	59.5		50.0		119	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

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 (2419154-BLK1)					Prepared: 05/09/24 Analyzed: 05/09/24				
Chloride	ND	20.0							
LCS (2419154-BS1)					Prepared: 05/09/24 Analyzed: 05/09/24				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2419154-BSD1)					Prepared: 05/09/24 Analyzed: 05/09/24				
Chloride	258	20.0	250		103	90-110	0.326	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 15:16

- 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.



Released to Imaging: 2/26/2025 12:20:50 PM

Received by OCD: 1/13/2024 8:38:36 AM

Project Information

Chain of Custody

Client: Targa Resources
Project: 7138 Red Hills - 2 - Amine - Spill
Project Manager: Brett Dennis
Address: 2620 W. Marland Blvd.
City, State, Zip: Hobbs, NM 88240
325-660-7395
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta
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				TAT				EPA Program	
Lab WO#	Job Number			1D	2D	3D	Standard	CWA	SDWA
E405107	21102-0001						X		
Analysis and Method								RCRA	
TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0		BGDOC NM	TX	State	
								NM	CO
								UT	AZ
								TX	
								Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
9:20	05.06.24	S	1	FL-1	1
9:25	05.06.24	S	1	FL-2	2
9:30	05.06.24	S	1	FL-3	3
9:35	05.06.24	S	1	FL-4	4
9:40	05.06.24	S	1	FL-5	5
9:45	05.06.24	S	1	FL-6	6
9:50	05.06.24	S	1	FL-7	7
9:55	05.06.24	S	1	FL-8	8
10:00	05.06.24	S	1	FL-9	9
10:05	05.06.24	S	1	FL-10	10

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: **BRYAN BASTOS**

Relinquished by: (Signature)	05.07.24	Time	1:29	Received by: (Signature)	Date	Time
<i>Bryan Bastos</i>				<i>Michelle Gonzalez</i>	5-7-24	1329
Relinquished by: (Signature)	Date	Time		Received by: (Signature)	Date	Time
<i>Michelle Gonzalez</i>	5-7-24	1805		<i>J.M.</i>	5-7-24	1805
Relinquished by: (Signature)	Date	Time		Received by: (Signature)	Date	Time
<i>J.M.</i>	5-7-24	2400		<i>Kayla R Hall</i>	5-8-24	0500

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.

Lab Use Only

Received on ice: ☒ Y ☐ N

T1 T2 T3

AVG Temp °C 4

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Released to Imaging: 7/26/2025 12:20:50 PM

Received by: OCD-11/13/2024 8:38:36 AM

Project Information

Chain of Custody

Client: Targa Resources
Project: 7138-Red-Hills-2-Amine-Spill
Project Manager: Brett Dennis
Address: 2620 W. Marland Blvd.
City, State, Zip: Hobbs, NM 88240
Phone:
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@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		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E405107	21102-0001				X		
Analysis and Method							RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					Remarks
													NM	CO	UT	AZ	TX	
10:10	05.06.24	S	1	FL-11	11	X	X	X		X			X					
10:15	05.06.24	S	1	FL-12	12	X	X	X		X								
10:20	05.06.24	S	1	FL-13	13	X	X	X		X								
10:25	05.06.24	S	1	FL-14	14	X	X	X		X								
10:30	05.06.24	S	1	FL-15	15	X	X	X		X								
10:35	05.06.24	S	1	FL-16	16	X	X	X		X								
10:40	05.06.24	S	1	FL-17	17	X	X	X		X								
10:45	05.06.24	S	1	FL-18	18	X	X	X		X								
10:50	05.06.24	S	1	FL-19	19	X	X	X		X								
10:55	05.06.24	S	1	FL-20	20	X	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: **BRIAN BASTOS**

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) <i>Brian Bastos</i>	Date 05.07.24	Time 1:29	Received by: (Signature) <i>Michelle Gonzales</i>	Date 5-7-24	Time 1329	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 5-7-24	Time 1805	Received by: (Signature) <i>J.H.</i>	Date 5-7-24	Time 1805	
Relinquished by: (Signature) <i>J.H.</i>	Date 5-7-24	Time 2400	Received by: (Signature) <i>Kayla R. Hall</i>	Date 5-8-24	Time 0500	

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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Envirotech Analytical Laboratory

Printed: 5/9/2024 10:56:35AM

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:	05/08/24 05:00	Work Order ID:	E405107
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:36	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion.

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? No
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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 (pca 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 filtration 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 InstructionComments/Resolution

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

Date



envirotech Inc.

Report to:
Brett Dennis



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405107

Job Number: 21102-0001

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24



Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405107
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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

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labadmin@envirotech-inc.com

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mgonzales@envirotech-inc.com

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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 15:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-1	E405107-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-2	E405107-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-3	E405107-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-4	E405107-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-5	E405107-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-6	E405107-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-7	E405107-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-8	E405107-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-9	E405107-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-10	E405107-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-11	E405107-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-12	E405107-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-13	E405107-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-14	E405107-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-15	E405107-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-16	E405107-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-17	E405107-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-18	E405107-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-19	E405107-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-20	E405107-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	5/15/2024 3:16:51PM
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-1

E405107-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	05/08/24	05/12/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %	70-130	05/08/24	05/12/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.26		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: Bromofluorobenzene</i>		112 %	70-130	05/08/24	05/12/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %	70-130	05/08/24	05/12/24	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	89.1	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	54.2	50.0	1	05/10/24	05/15/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	32.0	20.0	1	05/09/24	05/09/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-2
E405107-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0505	0.0250	1	05/08/24	05/12/24	
o-Xylene	0.0410	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	0.0525	0.0500	1	05/08/24	05/12/24	
Total Xylenes	0.0935	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene	114 %	70-130		05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		05/08/24	05/12/24	
Surrogate: Toluene-d8	107 %	70-130		05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.70		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene	114 %	70-130		05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		05/08/24	05/12/24	
Surrogate: Toluene-d8	107 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	269	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	124	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane	113 %	50-200		05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	67.1	20.0	1	05/09/24	05/09/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-3
E405107-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	0.0290	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0765	0.0250	1	05/08/24	05/12/24	
o-Xylene	0.0285	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	0.0645	0.0500	1	05/08/24	05/12/24	
Total Xylenes	0.0930	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene	111 %	70-130		05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		05/08/24	05/12/24	
Surrogate: Toluene-d8	105 %	70-130		05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.44		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene	111 %	70-130		05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		05/08/24	05/12/24	
Surrogate: Toluene-d8	105 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	230	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	94.8	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane	108 %	50-200		05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	71.2	20.0	1	05/09/24	05/09/24	

Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-4

E405107-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0615	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.29		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	207	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	89.1	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	97.5	20.0	1	05/09/24	05/09/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-5
E405107-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.23		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	84.0	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	71.7	20.0	1	05/09/24	05/09/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

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E405107-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.12		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	75.8	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		104 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	82.2	20.0	1	05/09/24	05/09/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405107-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		119 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	7.97		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		119 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.4 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	85.4	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		112 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	60.1	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

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E405107-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		116 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	7.94		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		116 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	181	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	73.4	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		113 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	86.0	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-9

E405107-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	7.90		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	160	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	62.4	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		112 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	140	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-10

E405107-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.22		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	64.6	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		114 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	99.9	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

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E405107-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		99.8 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.01		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		99.8 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	27.8	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		104 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	55.0	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-12
E405107-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.11		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	43.6	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		110 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	62.9	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405107-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	109 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	101 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.02		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	109 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	101 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	70.2	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane	115 %	50-200		05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	50.7	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-14

E405107-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		107 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.14		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		107 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	72.3	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	56.6	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-15
E405107-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.21		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	55.1	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	71.0	20.0	1	05/09/24	05/10/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 3:16:51PM

FL-16

E405107-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.21		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	59.2	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		118 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	82.3	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-17

E405107-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.22		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	48.9	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		110 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	61.4	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405107-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.04		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		114 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		109 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	46.5	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

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E405107-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units		Analyst: WF		Batch: 2419153
pH @25°C	8.15		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2419119
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		115 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2419185
Diesel Range Organics (C10-C28)	26.5	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		111 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2419154
Chloride	57.6	20.0	1	05/09/24	05/10/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 3:16:51PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-20
E405107-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2419153	
pH @25°C	8.01		1	05/09/24	05/09/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2419119	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2419185	
Diesel Range Organics (C10-C28)	29.7	25.0	1	05/10/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/15/24	
Surrogate: n-Nonane		117 %	50-200	05/10/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2419154	
Chloride	45.1	20.0	1	05/09/24	05/10/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2419119-BLK1)

Prepared: 05/08/24 Analyzed: 05/12/24

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: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2419119-BS1)

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.65	0.0250	2.50		106	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.60	0.0250	2.50		104	70-130			
o-Xylene	2.62	0.0250	2.50		105	70-130			
p,m-Xylene	5.27	0.0500	5.00		105	70-130			
Total Xylenes	7.89	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2419119-MS1)

Source: E405107-04 Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.71	0.0250	2.50	0.0615	106	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.38	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.06	0.0250	7.50	ND	107	43-135			
Surrogate: Bromofluorobenzene	0.593		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike Dup (2419119-MSD1)

Source: E405107-04 Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.60	0.0250	2.50	ND	104	48-131	1.45	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	2.19	27	
Toluene	2.63	0.0250	2.50	0.0615	103	48-130	2.89	24	
o-Xylene	2.60	0.0250	2.50	ND	104	43-135	2.77	27	
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135	3.47	27	
Total Xylenes	7.80	0.0250	7.50	ND	104	43-135	3.23	27	
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2419153-BS1)	Prepared: 05/09/24 Analyzed: 05/09/24								
pH	7.96		8.00		99.5	98.75-101.25			
Duplicate (2419153-DUP1)	Source: E405107-03 Prepared: 05/09/24 Analyzed: 05/09/24								
pH	8.40			8.44		0.487	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2419119-BLK1) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS (2419119-BS2) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.591		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike (2419119-MS2) Source: E405107-04 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0	ND	118	70-130			
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			

Matrix Spike Dup (2419119-MSD2) Source: E405107-04 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	58.9	20.0	50.0	ND	118	70-130	0.0212	20	
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419185-BLK1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.3		50.0		115	50-200			

LCS (2419185-BS1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	305	25.0	250		122	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			

LCS Dup (2419185-BSD1)					Prepared: 05/10/24 Analyzed: 05/15/24				
Diesel Range Organics (C10-C28)	287	25.0	250		115	38-132	6.26	20	
Surrogate: n-Nonane	59.5		50.0		119	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 3:16:51PM

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 (2419154-BLK1)					Prepared: 05/09/24 Analyzed: 05/09/24				
Chloride	ND	20.0							
LCS (2419154-BS1)					Prepared: 05/09/24 Analyzed: 05/09/24				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2419154-BSD1)					Prepared: 05/09/24 Analyzed: 05/09/24				
Chloride	258	20.0	250		103	90-110	0.326	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 15:16

- 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 10

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program	
Project: 7138-Red Hills-2-Amine-Spill		Attention: Amber Groves		Lab WO# E405107		Job Number 21102-0001		CWA SDWA	
Project Manager: Brett Dennis		Address: 201 S 4th St.				1D 2D 3D Standard			
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM						RCRA	
City, State, Zip: Hobbs, NM 88240		Phone:							
325-660-7395		Email: agroves@targaresources.com							
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta		*PO Pending*							
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC	TX	GD	Remarks
9:20	05.06.24	S	1	FL-1	1	X	X	X	X					
9:25	05.06.24	S	1	FL-2	2	X	X	X	X					
9:30	05.06.24	S	1	FL-3	3	X	X	X	X					
9:35	05.06.24	S	1	FL-4	4	X	X	X	X					
9:40	05.06.24	S	1	FL-5	5	X	X	X	X					
9:45	05.06.24	S	1	FL-6	6	X	X	X	X					
9:50	05.06.24	S	1	FL-7	7	X	X	X	X					
9:55	05.06.24	S	1	FL-8	8	X	X	X	X					
10:00	05.06.24	S	1	FL-9	9	X	X	X	X					
10:05	05.06.24	S	1	FL-10	10	X	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.						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.									
Sampled by: BRYAN BASTOS															
Relinquished by: (Signature)		05.07.24		Time 1:29		Received by: (Signature)		Date 5-7-24		Time 1329		Lab Use Only			
Michelle Gonzales		5-7-24		1805		J.M.		5-7-24		1805		Received on ice: <input checked="" type="checkbox"/> N			
J.M.		5-7-24		2400		Kuyper R Hall		5-8-24		0500		T1 T2 T3			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						AVG Temp °C 4			
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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Released to Imaging: 7/26/2025 12:20:50 PM

Received by OCD: 11/13/2024 8:38:36 AM

Project Information

Chain of Custody

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program	
Project: 7138-Red-Hills-2-Amine-Spill		Attention: Amber Groves		Lab WO# E405107		Job Number 21102-0001		CWA	
Project Manager: Brett Dennis		Address: 201 S 4th St.						SDWA	
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM						RCRA	
City, State, Zip: Hobbs, NM 88240		Phone:							
Phone:		Email: agroves@targaresources.com							
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tas		*PO Pending*							
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:10	05.06.24	S	1	FL-11	11	X	X	X	X				
10:15	05.06.24	S	1	FL-12	12	X	X	X	X				
10:20	05.06.24	S	1	FL-13	13	X	X	X	X				
10:25	05.06.24	S	1	FL-14	14	X	X	X	X				
10:30	05.06.24	S	1	FL-15	15	X	X	X	X				
10:35	05.06.24	S	1	FL-16	16	X	X	X	X				
10:40	05.06.24	S	1	FL-17	17	X	X	X	X				
10:45	05.06.24	S	1	FL-18	18	X	X	X	X				
10:50	05.06.24	S	1	FL-19	19	X	X	X	X				
10:55	05.06.24	S	1	FL-20	20	X	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.						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) <i>Brian Bastos</i>						Relinquished by: (Signature) <i>Michelle Gonzales</i>					
Date 05.07.24		Time 1:29		Received by: (Signature) <i>J.H.</i>		Date 5-7-24		Time 1329		Lab Use Only	
Date 5-7-24		Time 1805		Received by: (Signature) <i>K. H.</i>		Date 5-7-24		Time 1805		Received on ice: <input checked="" type="checkbox"/> N	
Date 5-7-24		Time 2400		Received by: (Signature) <i>K. H.</i>		Date 5-8-24		Time 0500		T1 T2 T3	
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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Envirotech Analytical Laboratory

Printed: 5/9/2024 10:56:35AM

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:	05/08/24 05:00	Work Order ID:	E405107
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:36	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion.

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? No
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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 (pca 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 filtration 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 InstructionComments/Resolution

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

Date



envirotech Inc.

Report to:
Brett Dennis



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405108

Job Number: 21102-0001

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24

Brett Dennis
12600 WCR 91
Midland, TX 79707



Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405108
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 13:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-21	E405108-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-22	E405108-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-23	E405108-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-24	E405108-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-25	E405108-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-26	E405108-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-27	E405108-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-28	E405108-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-29	E405108-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-30	E405108-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-31	E405108-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-32	E405108-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-33	E405108-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-34	E405108-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-35	E405108-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-36	E405108-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-37	E405108-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-38	E405108-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-39	E405108-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-40	E405108-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

FL-21 E405108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	05/08/24	05/12/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	05/08/24	05/12/24	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.07		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	05/08/24	05/12/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	05/08/24	05/12/24	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	31.8	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
<i>Surrogate: n-Nonane</i>		88.2 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	47.6	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

FL-22

E405108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	101 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.56		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	101 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	39.5	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane	86.8 %	50-200		05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	35.5	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-23

E405108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.18		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	38.4	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	53.9	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		89.6 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	36.7	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

FL-24

E405108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.1 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.33		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.1 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	25.3	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		91.2 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	38.1	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.89		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	36.9	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane	87.4 %	50-200		05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	23.8	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

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E405108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.5 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.89		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.5 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		86.3 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	31.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		98.1 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.03		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		98.1 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		89.9 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	40.8	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	96.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.02		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	96.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	90.1 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	27.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.98		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	95.5 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	32.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.6 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.05		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.6 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		92.7 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	ND	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.34		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	90.2 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	28.2	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.0 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.37		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.0 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	90.4 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	30.1	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.9 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.94		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.9 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	143	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	81.6	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		93.8 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	31.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.0 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.83		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.0 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		91.5 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	21.1	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.5 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.99		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.5 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	29.6	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		91.5 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	35.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.4 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.91		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.4 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	91.8 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	36.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.96		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	92.8 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	27.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	100 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.3 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.22		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	100 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	94.9 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	31.4	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.40		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	94.7 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	41.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.35		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	55.9	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		92.2 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	36.5	20.0	1	05/13/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

Volatile Organic Compounds by EPA 8260B

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 (2419120-BLK1)

Prepared: 05/08/24 Analyzed: 05/12/24

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: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2419120-BS1)

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.80	0.0250	2.50		112	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.59	0.0250	2.50		104	70-130			
o-Xylene	2.66	0.0250	2.50		106	70-130			
p,m-Xylene	5.14	0.0500	5.00		103	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

Matrix Spike (2419120-MS1)

Source: E405108-07

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.82	0.0250	2.50	ND	113	48-131			
Ethylbenzene	2.70	0.0250	2.50	ND	108	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.66	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.85	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

Matrix Spike Dup (2419120-MSD1)

Source: E405108-07

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.78	0.0250	2.50	ND	111	48-131	1.41	23	
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135	0.352	27	
Toluene	2.58	0.0250	2.50	ND	103	48-130	1.38	24	
o-Xylene	2.68	0.0250	2.50	ND	107	43-135	0.673	27	
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135	0.318	27	
Total Xylenes	7.88	0.0250	7.50	ND	105	43-135	0.439	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420051-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.95		8.00		99.4	98.75-101.25			
Duplicate (2420051-DUP1)					Source: E405108-05		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	7.88			7.89		0.0761	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

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 (2419120-BLK1) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2419120-BS2) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike (2419120-MS2) Source: E405108-07 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2419120-MSD2) Source: E405108-07 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	70-130	0.761	20	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

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 (2419186-BLK1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			
LCS (2419186-BS1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	233	25.0	250		93.1	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			
LCS Dup (2419186-BSD1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132	0.984	20	
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

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 (2420024-BLK1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	ND	20.0							
LCS (2420024-BS1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2420024-BSD1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	251	20.0	250		100	90-110	0.176	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 13:25

- 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.

Released to Imaging: 7/26/2025 12:20:50 PM

Received by OGD: 11/13/2024 8:38:36 AM

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Project Information

Chain of Custody

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>7138-Red Hills 2- Amine - Spill</u>		Attention: <u>Amber Groves</u>		Lab WO# <u>E 405708</u>		Job Number <u>21102-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Brett Dennis</u>		Address: <u>201 S 4th St.</u>		City, State, Zip: <u>Artesia, NM</u>		Analysis and Method				X			
Address: <u>2620 W. Marland Blvd.</u>		Phone: <u>agroves@targaresources.com</u>		Email: <u>agroves@targaresources.com</u>								RCRA	
City, State, Zip: <u>Hobbs, NM 88240</u>		*PO Pending*										State	
Phone: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tasman-geo.com; nmdata@tasman-geo.com</u>												NM CO UT AZ TX	
Report due by: <u></u>												X	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
11:00	05.06.24	S	1	FL-21	1	X	X	X	X				
11:05	05.06.24	S	1	FL-22	2	X	X	X	X				
11:10	05.06.24	S	1	FL-23	3	X	X	X	X				
11:15	05.06.24	S	1	FL-24	4	X	X	X	X				
11:20	05.06.24	S	1	FL-25	5	X	X	X	X				
11:25	05.06.24	S	1	FL-26	6	X	X	X	X				
11:30	05.06.24	S	1	FL-27	7	X	X	X	X				
11:35	05.06.24	S	1	FL-28	8	X	X	X	X				
11:40	05.06.24	S	1	FL-29	9	X	X	X	X				
11:45	05.06.24	S	1	FL-30	10	X	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: DRYAN BASTOS

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) <u>Brett Dennis</u>	Date <u>05.07.24</u>	Time <u>1:29</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1329</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>J.H.</u>	Date <u>5-7-24</u>	Time <u>1805</u>	
Relinquished by: (Signature) <u>J.H.</u>	Date <u>5-7-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kimberly R Hall</u>	Date <u>5-8-24</u>	Time <u>0500</u>	

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.

Released to Imaging: 7/26/2025 12:20:50 PM

Received by OCD: 11/13/2024 8:38:36 AM

Project Information

Chain of Custody

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program	
Project: 7138-Red Hills 2-Amine-Spill		Attention: Amber Groves		Lab WO# E 405108		Job Number 21102-0001		CWA SDWA	
Project Manager: Brett Dennis		Address: 201 S 4th St.				1D 2D 3D Standard			
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM						RCRA	
City, State, Zip: Hobbs, NM 88240		Phone:						State	
325-660-7395		Email: agroves@targaresources.com						NM CO UT AZ TX	
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta		*PO Pending*						X	
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC	TX	GD	Remarks
11:50	05.06.24	S	1	FL-31	11	X	X	X		X				
11:55	05.06.24	S	1	FL-32	12	X	X	X		X				
12:00	05.06.24	S	1	F-33	13	X	X	X		X				
12:05	05.06.24	S	1	FL-34	14	X	X	X		X				
12:10	05.06.24	S	1	FL-35	15	X	X	X		X				
12:15	05.06.24	S	1	FL-36	16	X	X	X		X				
12:20	05.06.24	S	1	FL-37	17	X	X	X		X				
12:25	05.06.24	S	1	FL-38	18	X	X	X		X				
12:30	05.06.24	S	1	FL-39	19	X	X	X		X				
12:35	05.06.24	S	1	FL-40	20	X	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: **BRYAN BASTOS**

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) <i>Bryan Bastos</i>	Date 05.07.24	Time 1:29	Received by: (Signature) <i>Michelle Gonzales</i>	Date 5-7-24	Time 1329	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 5-7-24	Time 1805	Received by: (Signature) <i>J.H.</i>	Date 5-7-24	Time 1805	
Relinquished by: (Signature) <i>J.H.</i>	Date 5-7-24	Time 2400	Received by: (Signature) <i>Kyle R Hall</i>	Date 5-8-24	Time 0500	

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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Envirotech Analytical Laboratory

Printed: 5/9/2024 1:49:13PM

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:	05/08/24 05:00	Work Order ID:	E405108
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:39	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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: 7138_Red_Hills_2_Amine_Spill

Work Order: E405108

Job Number: 21102-0001

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

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: 5/15/24



Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405108
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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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rainaschwanz@envirotech-inc.com

Alexa Michaels
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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 13:25

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-21	E405108-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-22	E405108-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-23	E405108-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-24	E405108-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-25	E405108-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-26	E405108-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-27	E405108-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-28	E405108-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-29	E405108-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-30	E405108-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-31	E405108-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-32	E405108-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-33	E405108-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-34	E405108-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-35	E405108-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-36	E405108-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-37	E405108-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-38	E405108-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-39	E405108-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-40	E405108-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

FL-21 E405108-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	05/08/24	05/12/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	05/08/24	05/12/24	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.07		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	05/08/24	05/12/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	05/08/24	05/12/24	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	31.8	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
<i>Surrogate: n-Nonane</i>		88.2 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	47.6	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

FL-22

E405108-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	101 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.56		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	101 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	39.5	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane	86.8 %	50-200		05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	35.5	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-23

E405108-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.18		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	38.4	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	53.9	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		89.6 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	36.7	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

FL-24

E405108-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.1 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.33		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.1 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	25.3	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		91.2 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	38.1	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-25
E405108-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.89		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	36.9	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane	87.4 %	50-200		05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	23.8	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.5 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.89		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.5 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		86.3 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	31.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		98.1 %	70-130	05/08/24	05/12/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.03		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/12/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/08/24	05/12/24	
Surrogate: Toluene-d8		98.1 %	70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane		89.9 %	50-200	05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	40.8	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-28

E405108-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	96.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.02		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	96.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	90.1 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	27.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-29
E405108-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.98		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.4 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.2 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	95.5 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	32.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.6 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.05		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.6 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		92.7 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	ND	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.34		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.6 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	90.2 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	28.2	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-32
E405108-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.0 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.37		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.8 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.0 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	90.4 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	30.1	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.9 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.94		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.9 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	143	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	81.6	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		93.8 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	31.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405108-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.0 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.83		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		98.0 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		91.5 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	21.1	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-35
E405108-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	100 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.99		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	100 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	29.6	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	91.5 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	35.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.4 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.91		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.4 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	91.8 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	36.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-37
E405108-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	7.96		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.7 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	92.8 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	27.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	100 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.3 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.22		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	100 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	98.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	94.9 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	31.4	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 1:25:17PM

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E405108-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.40		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene	98.9 %	70-130		05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/13/24	
Surrogate: Toluene-d8	97.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	94.7 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	41.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 1:25:17PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-40
E405108-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/08/24	05/13/24	
Wet Chemistry by EPA 9045D						
	pH Units	pH Units	Analyst: WF		Batch: 2420051	
pH @25°C	8.35		1	05/14/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	05/08/24	05/13/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/13/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419186	
Diesel Range Organics (C10-C28)	55.9	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane		92.2 %	50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420024	
Chloride	36.5	20.0	1	05/13/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

Volatile Organic Compounds by EPA 8260B

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 (2419120-BLK1)

Prepared: 05/08/24 Analyzed: 05/12/24

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: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2419120-BS1)

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.80	0.0250	2.50		112	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
Toluene	2.59	0.0250	2.50		104	70-130			
o-Xylene	2.66	0.0250	2.50		106	70-130			
p,m-Xylene	5.14	0.0500	5.00		103	70-130			
Total Xylenes	7.79	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

Matrix Spike (2419120-MS1)

Source: E405108-07

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.82	0.0250	2.50	ND	113	48-131			
Ethylbenzene	2.70	0.0250	2.50	ND	108	45-135			
Toluene	2.62	0.0250	2.50	ND	105	48-130			
o-Xylene	2.66	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.85	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

Matrix Spike Dup (2419120-MSD1)

Source: E405108-07

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	2.78	0.0250	2.50	ND	111	48-131	1.41	23	
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135	0.352	27	
Toluene	2.58	0.0250	2.50	ND	103	48-130	1.38	24	
o-Xylene	2.68	0.0250	2.50	ND	107	43-135	0.673	27	
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135	0.318	27	
Total Xylenes	7.88	0.0250	7.50	ND	105	43-135	0.439	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420051-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.95		8.00		99.4	98.75-101.25			
Duplicate (2420051-DUP1)					Source: E405108-05		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	7.88			7.89		0.0761	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419120-BLK1)

Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.1	70-130			

LCS (2419120-BS2)

Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike (2419120-MS2)

Source: E405108-07

Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2419120-MSD2)

Source: E405108-07

Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	70-130	0.761	20	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419186-BLK1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			

LCS (2419186-BS1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	233	25.0	250		93.1	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			

LCS Dup (2419186-BSD1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132	0.984	20	
Surrogate: n-Nonane	46.5		50.0		93.1	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 1:25:17PM

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 (2420024-BLK1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	ND	20.0							
LCS (2420024-BS1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2420024-BSD1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	251	20.0	250		100	90-110	0.176	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 13:25

- 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.



Released to Imaging: 7/26/2025 12:20:50 PM

Received by OGD: 11/13/2024 8:38:36 AM

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Project Information

Chain of Custody

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>7138-Red Hills 2- Amine - Spill</u>		Attention: <u>Amber Groves</u>		Lab WO# <u>E 405708</u>		Job Number <u>21102-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Brett Dennis</u>		Address: <u>201 S 4th St.</u>		City, State, Zip: <u>Artesia, NM</u>		Analysis and Method				X			
Address: <u>2620 W. Marland Blvd.</u>		Phone: <u>agroves@targaresources.com</u>		Email: <u>agroves@targaresources.com</u>								RCRA	
City, State, Zip: <u>Hobbs, NM 88240</u>		*PO Pending*										State	
Phone: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tasman-geo.com; nmdata@tasman-geo.com</u>												NM CO UT AZ TX	
Report due by: <u></u>												X	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BDOC NM	GDOC TX	Remarks
11:00	05.06.24	S	1	FL-21	1	X	X	X	X				
11:05	05.06.24	S	1	FL-22	2	X	X	X	X				
11:10	05.06.24	S	1	FL-23	3	X	X	X	X				
11:15	05.06.24	S	1	FL-24	4	X	X	X	X				
11:20	05.06.24	S	1	FL-25	5	X	X	X	X				
11:25	05.06.24	S	1	FL-26	6	X	X	X	X				
11:30	05.06.24	S	1	FL-27	7	X	X	X	X				
11:35	05.06.24	S	1	FL-28	8	X	X	X	X				
11:40	05.06.24	S	1	FL-29	9	X	X	X	X				
11:45	05.06.24	S	1	FL-30	10	X	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:

BBRYAN BASTOS

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) <u>Bryan Bastos</u>	Date <u>05.07.24</u>	Time <u>1:29</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1329</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>J.H.</u>	Date <u>5-7-24</u>	Time <u>1805</u>	
Relinquished by: (Signature) <u>J.H.</u>	Date <u>5-7-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kimberly R Hall</u>	Date <u>5-8-24</u>	Time <u>0500</u>	

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.

Released to Imaging: 7/26/2025 12:20:50 PM

Received by OCD: 11/13/2024 8:38:36 AM

Project Information

Chain of Custody

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program	
Project: 7138-Red Hills 2- Amine-Spill		Attention: Amber Groves		Lab WO# E 405108		Job Number 21102-0001		CWA SDWA	
Project Manager: Brett Dennis		Address: 201 S 4th St.				1D 2D 3D		Standard X	
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM						RCRA	
City, State, Zip: Hobbs, NM 88240		Phone:						State	
325-660-7395		Email: agroves@targaresources.com						NM CO UT AZ TX	
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta		*PO Pending*						X	
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC	NM	TX	GD	Remarks
11:50	05.06.24	S	1	FL-31	11	X	X	X		X					
11:55	05.06.24	S	1	FL-32	12	X	X	X		X					
12:00	05.06.24	S	1	F-33	13	X	X	X		X					
12:05	05.06.24	S	1	FL-34	14	X	X	X		X					
12:10	05.06.24	S	1	FL-35	15	X	X	X		X					
12:15	05.06.24	S	1	FL-36	16	X	X	X		X					
12:20	05.06.24	S	1	FL-37	17	X	X	X		X					
12:25	05.06.24	S	1	FL-38	18	X	X	X		X					
12:30	05.06.24	S	1	FL-39	19	X	X	X		X					
12:35	05.06.24	S	1	FL-40	20	X	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: BRYAN BASTOS

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) <u>[Signature]</u>	Date 05.07.24	Time 1:29	Received by: (Signature) <u>Michelle Gonzales</u>	Date 5-7-24	Time 1329	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date 5-7-24	Time 1805	Received by: (Signature) <u>J.H.</u>	Date 5-7-24	Time 1805	
Relinquished by: (Signature) <u>J.H.</u>	Date 5-7-24	Time 2400	Received by: (Signature) <u>Kyle R Hall</u>	Date 5-8-24	Time 0500	

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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Envirotech Analytical Laboratory

Printed: 5/9/2024 1:49:13PM

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:	05/08/24 05:00	Work Order ID:	E405108
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:39	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405109

Job Number: 21102-0001

Received: 5/8/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24

Brett Dennis
12600 WCR 91
Midland, TX 79707



Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405109
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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,

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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-41	E405109-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-42	E405109-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-43	E405109-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-44	E405109-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-45	E405109-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-46	E405109-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-47	E405109-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-48	E405109-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-49	E405109-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-50	E405109-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-51	E405109-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-52	E405109-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-53	E405109-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-54	E405109-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-55	E405109-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-56	E405109-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-57	E405109-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-58	E405109-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-59	E405109-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-60	E405109-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-41 E405109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	7.99	pH Units	1	05/14/24	05/14/24	Batch: 2420057
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419187
Diesel Range Organics (C10-C28)	28.0	25.0	1	05/10/24	05/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/13/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2420030
Chloride	67.1	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-42

E405109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.85		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY			Batch: 2420030
Chloride	69.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-43

E405109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.99		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY			Batch: 2420030
Chloride	51.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

FL-44
E405109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.40		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.4 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	37.5	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	39.1	20.0	1	05/13/24	05/14/24	

Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-45

E405109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.98		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	114 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	29.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:47:04PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-46

E405109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.13		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	114 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	34.2	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

FL-47

E405109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.16		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	101	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	55.4	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	22.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

FL-48

E405109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.22		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	113	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	71.4	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	37.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

FL-49

E405109-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.41		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	255	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	144	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	35.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.92		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	49.0	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	30.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:47:04PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405109-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.06		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	93.1	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	54.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.29		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	70.9	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	27.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

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E405109-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.18	pH Units	1	05/14/24	05/14/24	Batch: 2420057
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
Ethylbenzene	ND	mg/kg	1	05/08/24	05/14/24	
Toluene	ND	mg/kg	1	05/08/24	05/14/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	120	mg/kg	1	05/10/24	05/14/24	Batch: 2419187
Oil Range Organics (C28-C36)	76.7	mg/kg	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	108 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	25.3	mg/kg	1	05/13/24	05/14/24	Batch: 2420030



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.01		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	55.4	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	115 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	31.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.23		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	57.1	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	44.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.48		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	98.6 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	262	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	28.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.07		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	37.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

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E405109-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.09		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	0.0423	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.4 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	115 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	43.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

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E405109-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.50		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	0.0363	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	41.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.13		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	36.8	20.0	1	05/13/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420057-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.92		8.00		99.0	98.75-101.25			
Duplicate (2420057-DUP1)					Source: E405109-06		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	8.15			8.13		0.246	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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 (2419125-BLK1)Prepared: 05/08/24 Analyzed: 05/14/24

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	7.48		8.00		93.5	70-130			

LCS (2419125-BS1)Prepared: 05/08/24 Analyzed: 05/14/24

Benzene	3.76	0.0250	5.00		75.1	70-130			
Ethylbenzene	3.53	0.0250	5.00		70.6	70-130			
Toluene	3.70	0.0250	5.00		74.0	70-130			
o-Xylene	3.59	0.0250	5.00		71.9	70-130			
p,m-Xylene	7.27	0.0500	10.0		72.7	70-130			
Total Xylenes	10.9	0.0250	15.0		72.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

Matrix Spike (2419125-MS1)Source: E405109-05Prepared: 05/08/24 Analyzed: 05/14/24

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	4.94	0.0250	5.00	ND	98.7	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.04	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2419125-MSD1)Source: E405109-05Prepared: 05/08/24 Analyzed: 05/14/24

Benzene	4.56	0.0250	5.00	ND	91.3	54-133	13.7	20	
Ethylbenzene	4.26	0.0250	5.00	ND	85.2	61-133	14.7	20	
Toluene	4.48	0.0250	5.00	ND	89.7	61-130	14.2	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	63-131	14.6	20	
p,m-Xylene	8.75	0.0500	10.0	ND	87.5	63-131	14.8	20	
Total Xylenes	13.1	0.0250	15.0	ND	87.4	63-131	14.7	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419125-BLK1) Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			

LCS (2419125-BS2) Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			

Matrix Spike (2419125-MS2) Source: E405109-05 Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.80		8.00		110	70-130			

Matrix Spike Dup (2419125-MSD2) Source: E405109-05 Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	5.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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 (2419187-BLK1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.2		50.0		108	50-200			

LCS (2419187-BS1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS Dup (2419187-BSD1)					Prepared: 05/10/24 Analyzed: 05/13/24				
Diesel Range Organics (C10-C28)	296	25.0	250		119	38-132	2.19	20	
Surrogate: n-Nonane	57.2		50.0		114	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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 (2420030-BLK1)					Prepared: 05/13/24 Analyzed: 05/14/24				
Chloride	ND	20.0							
LCS (2420030-BS1)					Prepared: 05/13/24 Analyzed: 05/14/24				
Chloride	260	20.0	250		104	90-110			
LCS Dup (2420030-BSD1)					Prepared: 05/13/24 Analyzed: 05/14/24				
Chloride	256	20.0	250		102	90-110	1.59	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:47

- 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

Client: Targa Resources
 Project: 713B-Red Hills-2-Amine-Spill
 Project Manager: Brett Dennis
 Address: 2620 W. Marland Blvd.
 City, State, Zip: Hobbs, NM 88240
 Phone:
 Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@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				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
E405109	21102-0001				X				
Analysis and Method									
TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0		BGDOC NM	GDGC TX	State	
								NM	CO
								UT	AZ
								TX	
								Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks
12:40	05.06.24	S	1	FL-41	1	X	X	X	X				
12:45	05.06.24	S	1	FL-42	2	X	X	X	X				
12:50	05.06.24	S	1	FL-43	3	X	X	X	X				
1:00	05.06.24	S	1	FL-44	4	X	X	X	X				
1:05	05.06.24	S	1	FL-45	5	X	X	X	X				
1:10	05.06.24	S	1	FL-46	6	X	X	X	X				
1:15	05.06.24	S	1	FL-47	7	X	X	X	X				
1:10	05.06.24	S	1	FL-48	8	X	X	X	X				
1:20	05.06.24	S	1	FL-49	9	X	X	X	X				
1:25	05.06.24	S	1	FL-50	10	X	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: BRYAN BASTOS

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	Lab Use Only
<u>[Signature]</u>	05.07.24	1:29	<u>Michelle Gonzales</u>	5-7-24	1805	Received on ice: <u>Y</u> / N
<u>Michelle Gonzales</u>	5-7-24	1805	<u>J.M.</u>	5-7-24	1805	T1 _____ T2 _____ T3 _____
<u>J.M.</u>	5-7-24	2400	<u>Kimberly R. Hox</u>	5-8-24	0500	AVG Temp °C <u>4</u>

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

Released to Imaging: 2/26/2025 12:20:50 PM

Received by OGD: 11/13/2024 8:38:36 AM

Client: Targa Resources		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>7138-Red-Hills-2-Ammonia-Spill</u>		Attention: <u>Amber Groves</u>		Lab WO# <u>E 405109</u>		Job Number <u>21102-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Brett Dennis</u>		Address: <u>201 S 4th St.</u>		City, State, Zip: <u>Artesia, NM</u>							X		
Address: <u>2620 W. Marland Blvd.</u>		Phone: <u>agroves@targaresources.com</u>		Analysis and Method								RCRA	
City, State, Zip: <u>Hobbs, NM 88240</u>		Email: <u>agroves@targaresources.com</u>											
Phone: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tasman-geo.com; nmdata@tasman-geo.com</u>		*PO Pending*											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0		BGDOC NM	GDOC TX	Remarks
1:30	05.06.24	S	1	FL-51	11	X	X	X	X					
1:35	05.06.24	S	1	FL-52	12	X	X	X	X					
1:35	05.06.24	S	1	FL-53	13	X	X	X	X					
1:40	05.06.24	S	1	FL-54	14	X	X	X	X					
1:40	05.06.24	S	1	FL-55	15	X	X	X	X					
1:45	05.06.24	S	1	FL-56	16	X	X	X	X					
1:45	05.06.24	S	1	FL-57	17	X	X	X	X					
1:45	05.06.24	S	1	FL-58	18	X	X	X	X					
1:50	05.06.24	S	1	FL-59	19	X	X	X	X					
1:50	05.06.24	S	1	FL-60	20	X	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.

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.					
Sampled by: <u>BRYAN BASTOS</u>					
Relinquished by: (Signature) <u>B. Dennis</u>	Date <u>05.07.24</u>	Time <u>1:29</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1329</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>J.M.</u>	Date <u>5-7-24</u>	Time <u>1805</u>
Relinquished by: (Signature) <u>J.M.</u>	Date <u>5-7-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kayla R. Hall</u>	Date <u>5-8-24</u>	Time <u>0500</u>
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 Analytical Laboratory

Printed: 5/9/2024 3:16:37PM

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:	05/08/24 05:00	Work Order ID:	E405109
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:41	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405109

Job Number: 21102-0001

Received: 5/8/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24



Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405109
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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
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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-41	E405109-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-42	E405109-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-43	E405109-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-44	E405109-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-45	E405109-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-46	E405109-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-47	E405109-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-48	E405109-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-49	E405109-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-50	E405109-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-51	E405109-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-52	E405109-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-53	E405109-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-54	E405109-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-55	E405109-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-56	E405109-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-57	E405109-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-58	E405109-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-59	E405109-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-60	E405109-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-41

E405109-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	7.99	pH Units	1	05/14/24	05/14/24	Batch: 2420057
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
Ethylbenzene	ND	mg/kg	1	05/08/24	05/14/24	
Toluene	ND	mg/kg	1	05/08/24	05/14/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	28.0	mg/kg	1	05/10/24	05/13/24	Batch: 2419187
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/10/24	05/13/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/13/24	
Anions by EPA 300.0/9056A						
Chloride	67.1	mg/kg	1	05/13/24	05/14/24	Batch: 2420030



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-42

E405109-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.85		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY			Batch: 2420030
Chloride	69.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-43

E405109-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.99		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY			Batch: 2420030
Chloride	51.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-44

E405109-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.40		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.4 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	37.5	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	39.1	20.0	1	05/13/24	05/14/24	



Sample Data

Targa 12600 WCR 91 Midland TX, 79707	Project Name: 7138_Red_Hills_2_Amine_Spill Project Number: 21102-0001 Project Manager: Brett Dennis	Reported: 5/15/2024 4:47:04PM
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FL-45

E405109-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	7.98		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	94.7 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	114 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	29.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:47:04PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-46

E405109-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.13		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	34.2	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-47

E405109-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.16	pH Units	1	05/14/24	05/14/24	Batch: 2420057
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
Ethylbenzene	ND	mg/kg	1	05/08/24	05/14/24	
Toluene	ND	mg/kg	1	05/08/24	05/14/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	101	mg/kg	1	05/10/24	05/14/24	Batch: 2419187
Oil Range Organics (C28-C36)	55.4	mg/kg	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	22.3	mg/kg	1	05/13/24	05/14/24	Batch: 2420030



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

FL-48

E405109-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.22	pH Units	1	05/14/24	05/14/24	Batch: 2420057
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
Ethylbenzene	ND	mg/kg	1	05/08/24	05/14/24	
Toluene	ND	mg/kg	1	05/08/24	05/14/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	113	mg/kg	1	05/10/24	05/14/24	Batch: 2419187
Oil Range Organics (C28-C36)	71.4	mg/kg	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	37.3	mg/kg	1	05/13/24	05/14/24	Batch: 2420030



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:47:04PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

FL-49
E405109-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.41		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	255	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	144	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	35.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

FL-50

E405109-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	7.92		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	49.0	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	30.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

FL-51

E405109-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.06		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	93.1	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	54.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

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E405109-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.29	pH Units	1	05/14/24	05/14/24	Batch: 2420057
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
Ethylbenzene	ND	mg/kg	1	05/08/24	05/14/24	
Toluene	ND	mg/kg	1	05/08/24	05/14/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/14/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/14/24	Batch: 2419125
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %		70-130	05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	70.9	mg/kg	1	05/10/24	05/14/24	Batch: 2419187
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	108 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	27.0	mg/kg	1	05/13/24	05/14/24	Batch: 2420030



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.18		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	120	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	76.7	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	108 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	25.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.01		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	55.4	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	31.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.23		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	57.1	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	44.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.48		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	262	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	28.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:47:04PM

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E405109-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.07		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	96.1 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	37.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:47:04PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405109-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420057
	8.09		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	0.0423	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	95.4 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2419125
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419187
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	115 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420030
Chloride	43.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420057	
	8.50		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	0.0363	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	41.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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E405109-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF		Batch: 2420057	
pH @25°C	8.13		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Benzene	ND	0.0250	1	05/08/24	05/14/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/14/24	
Toluene	ND	0.0250	1	05/08/24	05/14/24	
o-Xylene	ND	0.0250	1	05/08/24	05/14/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/14/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/14/24	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2419125	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	105 %	70-130		05/08/24	05/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2419187	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2420030	
Chloride	36.8	20.0	1	05/13/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420057-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.92		8.00		99.0	98.75-101.25			
Duplicate (2420057-DUP1)					Source: E405109-06		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	8.15			8.13		0.246	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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 (2419125-BLK1) Prepared: 05/08/24 Analyzed: 05/14/24

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	7.48		8.00		93.5	70-130			

LCS (2419125-BS1) Prepared: 05/08/24 Analyzed: 05/14/24

Benzene	3.76	0.0250	5.00		75.1	70-130			
Ethylbenzene	3.53	0.0250	5.00		70.6	70-130			
Toluene	3.70	0.0250	5.00		74.0	70-130			
o-Xylene	3.59	0.0250	5.00		71.9	70-130			
p,m-Xylene	7.27	0.0500	10.0		72.7	70-130			
Total Xylenes	10.9	0.0250	15.0		72.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.3	70-130			

Matrix Spike (2419125-MS1) Source: E405109-05 Prepared: 05/08/24 Analyzed: 05/14/24

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	4.94	0.0250	5.00	ND	98.7	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.04	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2419125-MSD1) Source: E405109-05 Prepared: 05/08/24 Analyzed: 05/14/24

Benzene	4.56	0.0250	5.00	ND	91.3	54-133	13.7	20	
Ethylbenzene	4.26	0.0250	5.00	ND	85.2	61-133	14.7	20	
Toluene	4.48	0.0250	5.00	ND	89.7	61-130	14.2	20	
o-Xylene	4.36	0.0250	5.00	ND	87.2	63-131	14.6	20	
p,m-Xylene	8.75	0.0500	10.0	ND	87.5	63-131	14.8	20	
Total Xylenes	13.1	0.0250	15.0	ND	87.4	63-131	14.7	20	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419125-BLK1) Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			

LCS (2419125-BS2) Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.69		8.00		109	70-130			

Matrix Spike (2419125-MS2) Source: E405109-05 Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.80		8.00		110	70-130			

Matrix Spike Dup (2419125-MSD2) Source: E405109-05 Prepared: 05/08/24 Analyzed: 05/14/24

Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130	5.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.75		8.00		109	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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 (2419187-BLK1) Prepared: 05/10/24 Analyzed: 05/13/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.2		50.0		108	50-200			

LCS (2419187-BS1) Prepared: 05/10/24 Analyzed: 05/13/24

Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132			
Surrogate: n-Nonane	56.8		50.0		114	50-200			

LCS Dup (2419187-BSD1) Prepared: 05/10/24 Analyzed: 05/13/24

Diesel Range Organics (C10-C28)	296	25.0	250		119	38-132	2.19	20	
Surrogate: n-Nonane	57.2		50.0		114	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:47:04PM

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 (2420030-BLK1)					Prepared: 05/13/24 Analyzed: 05/14/24				
Chloride	ND	20.0							
LCS (2420030-BS1)					Prepared: 05/13/24 Analyzed: 05/14/24				
Chloride	260	20.0	250		104	90-110			
LCS Dup (2420030-BSD1)					Prepared: 05/13/24 Analyzed: 05/14/24				
Chloride	256	20.0	250		102	90-110	1.59	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:47

- 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.

Refused to Imaging: 7/26/2025 12:20:50 PM

Received by OCD: 11/13/2024 8:38:36 AM

Client: Targa Resources
Project: 713B-Red Hills-2-Amine-Spill
Project Manager: Brett Dennis
Address: 2620 W. Marland Blvd.
City, State, Zip: Hobbs, NM 88240
Phone:
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tas
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				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
E405109	21102-0001				X				
Analysis and Method									
TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX			
State									
NM	CO	UT	AZ	TX					
X									
Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks
12:40	05.06.24	S	1	FL-41	1	X	X	X	X				
12:45	05.06.24	S	1	FL-42	2	X	X	X	X				
12:50	05.06.24	S	1	FL-43	3	X	X	X	X				
1:00	05.06.24	S	1	FL-44	4	X	X	X	X				
1:05	05.06.24	S	1	FL-45	5	X	X	X	X				
1:10	05.06.24	S	1	FL-46	6	X	X	X	X				
1:15	05.06.24	S	1	FL-47	7	X	X	X	X				
1:10	05.06.24	S	1	FL-48	8	X	X	X	X				
1:20	05.06.24	S	1	FL-49	9	X	X	X	X				
1:25	05.06.24	S	1	FL-50	10	X	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.						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.	
Sampled by: <u>BRYAN BASTOS</u>							
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<u>[Signature]</u>	05.07.24	1:29	<u>Michelle Gonzales</u>	5-7-24	1829	Received on ice: <u>Y</u> / N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3	
<u>Michelle Gonzales</u>	5-7-24	1805	<u>J.M.</u>	5-7-24	1805		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>	
<u>J.M.</u>	5-7-24	2400	<u>Kimberly R. Hox</u>	5-8-24	0500		

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.

Page 245 of 364

Project Information

Chain of Custody

Page 6 of 10

Client: Targa Resources		Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>7138-Red-Hills-2-Ammonia-Spill</u>		Attention: <u>Amber Groves</u>		Lab WO# <u>E 405109</u>		Job Number <u>21102-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Brett Dennis</u>		Address: <u>201 S 4th St.</u>		City, State, Zip: <u>Artesia, NM</u>		Analysis and Method					X		RCRA
Address: <u>2620 W. Marland Blvd.</u>		Phone: <u>agroves@targaresources.com</u>		Email: <u>agroves@targaresources.com</u>		State							
City, State, Zip: <u>Hobbs, NM 88240</u>		*PO Pending*		TPH GRO/DRO/ORO by 8015		BTEX by 8021		PH		Metals 6010		Chloride 300.0	
Phone: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tasman-geo.com; nmdata@tasman-geo.com</u>				BGDOC NM		TX		GDOC		NM		CO	
Report due by:				X						UT		AZ	
										TX			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	TX	GDOC	Remarks
1:30	05.06.24	S	1	FL-51	11	X	X	X	X					
1:35	05.06.24	S	1	FL-52	12	X	X	X	X					
1:35	05.06.24	S	1	FL-53	13	X	X	X	X					
1:40	05.06.24	S	1	FL-54	14	X	X	X	X					
1:40	05.06.24	S	1	FL-55	15	X	X	X	X					
1:45	05.06.24	S	1	FL-56	16	X	X	X	X					
1:45	05.06.24	S	1	FL-57	17	X	X	X	X					
1:45	05.06.24	S	1	FL-58	18	X	X	X	X					
1:50	05.06.24	S	1	FL-59	19	X	X	X	X					
1:50	05.06.24	S	1	FL-60	20	X	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:

BRYAN BASTOS

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) <u>B. Dennis</u>	Date <u>05.07.24</u>	Time <u>1:29</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1329</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>J.M.</u>	Date <u>5.7.24</u>	Time <u>1805</u>	
Relinquished by: (Signature) <u>J.M.</u>	Date <u>5.7.24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kayla R. Hall</u>	Date <u>5-8-24</u>	Time <u>0500</u>	

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 Analytical Laboratory

Printed: 5/9/2024 3:16:37PM

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:	05/08/24 05:00	Work Order ID:	E405109
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:41	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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

Project 7138_Red_Hills_2_Amine_Spill
has been separated into multiple
workorders due to high sample volume.
WO are as follows:E405107, 405108,
405109, 405110, 405111,

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

Date



envirotech Inc.

Report to:
Brett Dennis



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405110

Job Number: 21102-0001

Received: 5/8/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24

Brett Dennis
12600 WCR 91
Midland, TX 79707



Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405110
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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
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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-61	E405110-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-62	E405110-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-63	E405110-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-64	E405110-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-65	E405110-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-66	E405110-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-67	E405110-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-68	E405110-08A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-69	E405110-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-70	E405110-10A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-71	E405110-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-72	E405110-12A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-73	E405110-13A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-74	E405110-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-75	E405110-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-76	E405110-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-77	E405110-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-78	E405110-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-79	E405110-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-80	E405110-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

FL-61
E405110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.15	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	108 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2420031
Chloride	29.7	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-62

E405110-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.19		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	33.1	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.16		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	36.6	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.21	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/12/24	Batch: 2419134
Ethylbenzene	ND	mg/kg	1	05/08/24	05/12/24	
Toluene	0.0417	mg/kg	1	05/08/24	05/12/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/12/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/12/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %		70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/12/24	Batch: 2419134
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	112 %		70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	ND	mg/kg	1	05/10/24	05/14/24	Batch: 2419188
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	116 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	40.2	mg/kg	1	05/13/24	05/13/24	Batch: 2420031



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.16		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	93.0 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	41.4	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.23		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	110 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	40.9	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	8.24		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	45.9	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:48:22PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405110-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	8.52		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	31.3	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF		Batch: 2420059	
pH @25°C	8.39		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	93.3 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	31.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.44		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0412	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	46.1	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	45.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.22	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/12/24	Batch: 2419134
Ethylbenzene	ND	mg/kg	1	05/08/24	05/12/24	
Toluene	0.0501	mg/kg	1	05/08/24	05/12/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/12/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/12/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %		70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/12/24	Batch: 2419134
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %		70-130	05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	47.0	mg/kg	1	05/10/24	05/14/24	Batch: 2419188
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	34.9	mg/kg	1	05/13/24	05/14/24	Batch: 2420031



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.25		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	68.2	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	25.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.59		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	135	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	33.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:48:22PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405110-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.84		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0385	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	148	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	30.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	9.11	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419188
Diesel Range Organics (C10-C28)	131	25.0	1	05/10/24	05/14/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2420031
Chloride	38.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.49		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0270	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	28.4	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	27.8	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:48:22PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405110-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	9.23		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	378	25.0	1	05/10/24	05/14/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	51.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.45		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	0.0295	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0787	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	131	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	115 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	24.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.24		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	0.0278	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0724	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	87.8	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	38.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.88	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419188
Diesel Range Organics (C10-C28)	834	25.0	1	05/10/24	05/14/24	T16
Oil Range Organics (C28-C36)	188	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2420031
Chloride	56.2	20.0	1	05/13/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420059-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.91		8.00		98.9	98.75-101.25			
Duplicate (2420059-DUP1)					Source: E405110-01		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	8.16			8.15		0.184	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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 (2419134-BLK1) Prepared: 05/08/24 Analyzed: 05/12/24

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	7.36		8.00		92.0	70-130			

LCS (2419134-BS1) Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	4.49	0.0250	5.00		89.8	70-130			
Ethylbenzene	4.75	0.0250	5.00		94.9	70-130			
Toluene	4.78	0.0250	5.00		95.7	70-130			
o-Xylene	4.86	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.7	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.7	70-130			

Matrix Spike (2419134-MS1) Source: E405110-01 Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	4.59	0.0250	5.00	ND	91.8	54-133			
Ethylbenzene	4.86	0.0250	5.00	ND	97.3	61-133			
Toluene	4.90	0.0250	5.00	ND	98.1	61-130			
o-Xylene	4.99	0.0250	5.00	ND	99.8	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

Matrix Spike Dup (2419134-MSD1) Source: E405110-01 Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	4.47	0.0250	5.00	ND	89.3	54-133	2.70	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.3	61-133	2.09	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	2.23	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.90	20	
p,m-Xylene	9.83	0.0500	10.0	ND	98.3	63-131	2.04	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	1.99	20	
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419134-BLK1) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			

LCS (2419134-BS2) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87		8.00		111	70-130			

Matrix Spike (2419134-MS2) Source: E405110-01 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			

Matrix Spike Dup (2419134-MSD2) Source: E405110-01 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.825	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.70		8.00		109	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419188-BLK1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			

LCS (2419188-BS1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS Dup (2419188-BSD1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132	0.0987	20	
Surrogate: n-Nonane	57.0		50.0		114	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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 (2420031-BLK1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	ND	20.0							
LCS (2420031-BS1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2420031-BSD1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	253	20.0	250		101	90-110	0.206	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:48

- T16 The results for this petroleum hydrocarbon analysis is elevated due to the presence of a single analyte peak in the quantitation range.
- 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.

Client: Targa Resources		Bill To		Lab Use Only				TAT				EPA Program	
Project: 7138-Red-Hills-2-Amine-Spill		Attention: Amber Groves		Lab WO# E405110		Job Number 21102-0001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Brett Dennis		Address: 201 S 4th St.									X		
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM						Analysis and Method					RCRA
City, State, Zip: Hobbs, NM 88240		Phone:											
825-660-7395		Email: agroves@targaresources.com											
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta		*PO Pending*											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks
1:50	05.06.24	S	1	FL-61	1	X	X	X		X			
1:55	05.06.24	S	1	FL-62	2	X	X	X		X			
1:55	05.06.24	S	1	FL-63	3	X	X	X		X			
1:55	05.06.24	S	1	FL-64	4	X	X	X		X			
2:00	05.06.24	S	1	FL-65	5	X	X	X		X			
2:00	05.06.24	S	1	FL-66	6	X	X	X		X			
2:00	05.06.24	S	1	FL-67	7	X	X	X		X			
2:05	05.06.24	S	1	FL-68	8	X	X	X		X			
2:05	05.06.24	S	1	FL-69	9	X	X	X		X			
2:05	05.06.24	S	1	FL-70	10	X	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.						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) <i>[Signature]</i> Date 05.07.24 Time 1:29						Received by: (Signature) <i>[Signature]</i> Date 5-7-24 Time 1329					
Relinquished by: (Signature) <i>[Signature]</i> Date 5-7-24 Time 1805						Received by: (Signature) <i>[Signature]</i> Date 5-7-24 Time 1805					
Relinquished by: (Signature) <i>[Signature]</i> Date 5-7-24 Time 2400						Received by: (Signature) <i>[Signature]</i> Date 5-8-24 Time 0500					
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.

Project Information

Chain of Custody

Page 8 of 10

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program																					
Project: <u>7138_Red Hills-2-Amine-Spill</u>		Attention: <u>Amber Groves</u>		Lab WO# <u>E 405110</u>		Job Number <u>21102-0001</u>		1D	2D	3D	Standard	CWA	SDWA																
Project Manager: <u>Brett Dennis</u>		Address: <u>201 S 4th St.</u>		City, State, Zip: <u>Artesia, NM</u>		Analysis and Method					X																		
Address: <u>2620 W. Marland Blvd.</u>		Phone: <u></u>		Email: <u>agroves@targaresources.com</u>		TPH GRO/DRO/ORO by 8015		BTEX by 8021		PH		Metals 6010		Chloride 300.0		BGDOC NM		TX		GDOC		State							
City, State, Zip: <u>Hobbs, NM 88240</u>		*PO Pending*																		NM		CO		UT		AZ		TX	
Phone: <u></u>																				X									
Email: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tas</u>																													
Report due by: <u></u>																													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	TX	GDOC	Remarks
2:10	05.06.24	S	1	FL-71	11	X	X	X	X					
2:10	05.06.24	S	1	FL-72	12	X	X	X	X					
2:10	05.06.24	S	1	FL-73	13	X	X	X	X					
2:15	05.06.24	S	1	FL-74	14	X	X	X	X					
2:15	05.06.24	S	1	FL-75	15	X	X	X	X					
2:20	05.06.24	S	1	FL-76	16	X	X	X	X					
2:20	05.06.24	S	1	FL-77	17	X	X	X	X					
2:20	05.06.24	S	1	FL-78	18	X	X	X	X					
2:20	05.06.24	S	1	FL-79	19	X	X	X	X					
2:25	05.06.24	S	1	FL-80	20	X	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.						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) <u>Bryan Bastos</u>						Sampled by: <u>Bryan Bastos</u>					
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>05.07.24</u>	Time <u>1:29</u>	Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>5-7-24</u>	Time <u>1329</u>	Lab Use Only			
Relinquished by: (Signature) <u>J.M.</u>		Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>J.M.</u>		Date <u>5-7-24</u>	Time <u>1805</u>	Received on ice: <u>Y</u> N			
Relinquished by: (Signature) <u>J.M.</u>		Date <u>5-7-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kayla R Hall</u>		Date <u>5-8-24</u>	Time <u>0500</u>	T1 _____ T2 _____ T3 _____			
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: 5/9/2024 3:40:51PM

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:	05/08/24 05:00	Work Order ID:	E405110
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:45	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405110

Job Number: 21102-0001

Received: 5/8/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/15/24



Brett Dennis
12600 WCR 91
Midland, TX 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405110
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-61	E405110-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-62	E405110-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-63	E405110-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-64	E405110-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-65	E405110-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-66	E405110-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-67	E405110-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-68	E405110-08A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-69	E405110-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-70	E405110-10A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-71	E405110-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-72	E405110-12A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-73	E405110-13A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
FL-74	E405110-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-75	E405110-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-76	E405110-16A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-77	E405110-17A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-78	E405110-18A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-79	E405110-19A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-80	E405110-20A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-61
E405110-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.15		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	108 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	29.7	20.0	1	05/13/24	05/13/24	

Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-62

E405110-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.19		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	92.0 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	110 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	33.1	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

FL-63

E405110-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.16		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	110 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	36.6	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-64

E405110-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.21		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0417	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	112 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	40.2	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.16		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	41.4	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	8.23		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	40.9	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.24		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	45.9	20.0	1	05/13/24	05/13/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	8.52		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	31.3	20.0	1	05/13/24	05/13/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.39		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	ND	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
Surrogate: 4-Bromochlorobenzene-PID	93.3 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	31.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported: 5/15/2024 4:48:22PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

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E405110-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	8.44		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0412	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	46.1	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	45.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420059	
	8.22		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Benzene	ND	0.0250	1	05/08/24	05/12/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/12/24	
Toluene	0.0501	0.0250	1	05/08/24	05/12/24	
o-Xylene	ND	0.0250	1	05/08/24	05/12/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/12/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/12/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/12/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/08/24	05/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419188	
Diesel Range Organics (C10-C28)	47.0	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420031	
Chloride	34.9	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.25		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	94.0 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	68.2	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	25.7	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.59		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	135	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	33.0	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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E405110-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.84		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0385	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	148	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	30.3	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-75

E405110-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units		Analyst: WF		Batch: 2420059
	9.11		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419188
Diesel Range Organics (C10-C28)	131	25.0	1	05/10/24	05/14/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2420031
Chloride	38.5	20.0	1	05/13/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-76

E405110-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.49		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0270	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	28.4	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	27.8	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

FL-77

E405110-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	9.23	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/08/24	05/13/24	Batch: 2419134
Ethylbenzene	ND	mg/kg	1	05/08/24	05/13/24	
Toluene	ND	mg/kg	1	05/08/24	05/13/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/13/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/13/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %		70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/13/24	Batch: 2419134
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %		70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	378	mg/kg	1	05/10/24	05/14/24	T16
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	110 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	51.5	mg/kg	1	05/13/24	05/14/24	Batch: 2420031



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

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E405110-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.45		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	0.0295	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	0.0787	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	131	25.0	1	05/10/24	05/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	24.6	20.0	1	05/13/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/15/2024 4:48:22PM

FL-79

E405110-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.24	pH Units	1	05/14/24	05/14/24	Batch: 2420059
Volatile Organics by EPA 8021B						
Benzene	0.0278	mg/kg	1	05/08/24	05/13/24	Batch: 2419134
Ethylbenzene	ND	mg/kg	1	05/08/24	05/13/24	
Toluene	0.0724	mg/kg	1	05/08/24	05/13/24	
o-Xylene	ND	mg/kg	1	05/08/24	05/13/24	
p,m-Xylene	ND	mg/kg	1	05/08/24	05/13/24	
Total Xylenes	ND	mg/kg	1	05/08/24	05/13/24	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %		70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/08/24	05/13/24	Batch: 2419134
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %		70-130	05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	87.8	mg/kg	1	05/10/24	05/14/24	Batch: 2419188
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/10/24	05/14/24	
Surrogate: n-Nonane	112 %		50-200	05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
Chloride	38.9	mg/kg	1	05/13/24	05/14/24	Batch: 2420031



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

FL-80

E405110-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420059
	8.88		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Benzene	ND	0.0250	1	05/08/24	05/13/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/13/24	
Toluene	ND	0.0250	1	05/08/24	05/13/24	
o-Xylene	ND	0.0250	1	05/08/24	05/13/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/13/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419134
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/08/24	05/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2419188
Diesel Range Organics (C10-C28)	834	25.0	1	05/10/24	05/14/24	T16
Oil Range Organics (C28-C36)	188	50.0	1	05/10/24	05/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/10/24	05/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420031
Chloride	56.2	20.0	1	05/13/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420059-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.91		8.00		98.9	98.75-101.25			
Duplicate (2420059-DUP1)					Source: E405110-01		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	8.16			8.15		0.184	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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 (2419134-BLK1)

Prepared: 05/08/24 Analyzed: 05/12/24

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	7.36		8.00		92.0	70-130			

LCS (2419134-BS1)

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	4.49	0.0250	5.00		89.8	70-130			
Ethylbenzene	4.75	0.0250	5.00		94.9	70-130			
Toluene	4.78	0.0250	5.00		95.7	70-130			
o-Xylene	4.86	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.7	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.7	70-130			

Matrix Spike (2419134-MS1)

Source: E405110-01

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	4.59	0.0250	5.00	ND	91.8	54-133			
Ethylbenzene	4.86	0.0250	5.00	ND	97.3	61-133			
Toluene	4.90	0.0250	5.00	ND	98.1	61-130			
o-Xylene	4.99	0.0250	5.00	ND	99.8	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

Matrix Spike Dup (2419134-MSD1)

Source: E405110-01

Prepared: 05/08/24 Analyzed: 05/12/24

Benzene	4.47	0.0250	5.00	ND	89.3	54-133	2.70	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.3	61-133	2.09	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	2.23	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.90	20	
p,m-Xylene	9.83	0.0500	10.0	ND	98.3	63-131	2.04	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.1	63-131	1.99	20	
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419134-BLK1) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			

LCS (2419134-BS2) Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0		111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87		8.00		111	70-130			

Matrix Spike (2419134-MS2) Source: E405110-01 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.81		8.00		110	70-130			

Matrix Spike Dup (2419134-MSD2) Source: E405110-01 Prepared: 05/08/24 Analyzed: 05/12/24

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.825	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.70		8.00		109	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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 (2419188-BLK1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.7		50.0		111	50-200			

LCS (2419188-BS1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS Dup (2419188-BSD1)					Prepared: 05/10/24 Analyzed: 05/14/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132	0.0987	20	
Surrogate: n-Nonane	57.0		50.0		114	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/15/2024 4:48:22PM

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 (2420031-BLK1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	ND	20.0							
LCS (2420031-BS1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2420031-BSD1)					Prepared: 05/13/24 Analyzed: 05/13/24				
Chloride	253	20.0	250		101	90-110	0.206	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/15/24 16:48

- T16 The results for this petroleum hydrocarbon analysis is elevated due to the presence of a single analyte peak in the quantitation range.
- 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.

Client: Targa Resources		Bill To		Lab Use Only				TAT				EPA Program	
Project: 7138_Red-Hills-2_Amine-Spill		Attention: Amber Groves		Lab WO# E405110		Job Number 21102-0001		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Brett Dennis		Address: 201 S 4th St.											
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM											
City, State, Zip: Hobbs, NM 88240		Phone:											
825-660-7395		Email: agroves@targaresources.com											
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta		*PO Pending*											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDGC TX	Remarks
1:50	05.06.24	S	1	FL-61	1	X	X	X		X			
1:55	05.06.24	S	1	FL-62	2	X	X	X		X			
1:55	05.06.24	S	1	FL-63	3	X	X	X		X			
1:55	05.06.24	S	1	FL-64	4	X	X	X		X			
2:00	05.06.24	S	1	FL-65	5	X	X	X		X			
2:00	05.06.24	S	1	FL-66	6	X	X	X		X			
2:00	05.06.24	S	1	FL-67	7	X	X	X		X			
2:05	05.06.24	S	1	FL-68	8	X	X	X		X			
2:05	05.06.24	S	1	FL-69	9	X	X	X		X			
2:05	05.06.24	S	1	FL-70	10	X	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.						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.					
Sampled by: BRYAN BASTOS											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<i>[Signature]</i>		05.07.24	1:29	Michelle Gonzales		5-7-24	1329	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1			
Michelle Gonzales		5-7-24	1805	J.M.		5-7-24	1805	T2			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T3			
J.M.		5-7-24	2400	Kyrill H HUA		5-8-24	0500	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.

Project Information

Chain of Custody

Page 8 of 10

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program															
Project: <u>7138_Red Hills-2-Amine-Spill</u>		Attention: <u>Amber Groves</u>		Lab WO# <u>E 405110</u>		Job Number <u>21102-0001</u>		1D	2D	3D	Standard	CWA	SDWA										
Project Manager: <u>Brett Dennis</u>		Address: <u>201 S 4th St.</u>		City, State, Zip: <u>Artesia, NM</u>		Analysis and Method					X												
Address: <u>2620 W. Marland Blvd.</u>		Phone: <u></u>		Email: <u>agroves@targaresources.com</u>		TPH GRO/DRO/ORO by 8015		BTEX by 8021		PH		Metals 6010		Chloride 300.0		BGDOC NM		TX		GDOC		State	
City, State, Zip: <u>Hobbs, NM 88240</u>		*PO Pending*																				NM CO UT AZ TX	
Phone: <u></u>																						X	
Email: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tas</u>																						Remarks	
Report due by: <u></u>																							

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	TX	GDOC	Remarks
2:10	05.06.24	S	1	FL-71	11	X	X	X	X					
2:10	05.06.24	S	1	FL-72	12	X	X	X	X					
2:10	05.06.24	S	1	FL-73	13	X	X	X	X					
2:15	05.06.24	S	1	FL-74	14	X	X	X	X					
2:15	05.06.24	S	1	FL-75	15	X	X	X	X					
2:20	05.06.24	S	1	FL-76	16	X	X	X	X					
2:20	05.06.24	S	1	FL-77	17	X	X	X	X					
2:20	05.06.24	S	1	FL-78	18	X	X	X	X					
2:20	05.06.24	S	1	FL-79	19	X	X	X	X					
2:25	05.06.24	S	1	FL-80	20	X	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.						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) <u>Bryan Bastos</u>						Sampled by: <u>Bryan Bastos</u>					
Relinquished by: (Signature) <u>Michelle Gonzales</u>		Date <u>05.07.24</u>	Time <u>1:29</u>	Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>5-7-24</u>	Time <u>1329</u>	Lab Use Only			
Relinquished by: (Signature) <u>J.M.</u>		Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>J.M.</u>		Date <u>5-7-24</u>	Time <u>1805</u>	Received on ice: <u>Y</u> N			
Relinquished by: (Signature) <u>J.M.</u>		Date <u>5-7-24</u>	Time <u>2400</u>	Received by: (Signature) <u>Kayla R Hall</u>		Date <u>5-8-24</u>	Time <u>0500</u>	T1 _____ T2 _____ T3 _____			
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.						AVG Temp °C <u>4</u>					



Envirotech Analytical Laboratory

Printed: 5/9/2024 3:40:51PM

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:	05/08/24 05:00	Work Order ID:	E405110
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:45	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample 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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7138_Red_Hills_2_Amine_Spill

Work Order: E405111

Job Number: 21102-0001

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/16/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 5/16/24

Brett Dennis
12600 WCR 91
Midland, TX 79707



Project Name: 7138_Red_Hills_2_Amine_Spill
Workorder: E405111
Date Received: 5/8/2024 5:00:00AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 5:00:00AM, under the Project Name: 7138_Red_Hills_2_Amine_Spill.

The analytical test results summarized in this report with the Project Name: 7138_Red_Hills_2_Amine_Spill 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 regarding 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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Laboratory Administrator
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Sample Summary

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	05/16/24 14:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FL-81	E405111-01A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-82	E405111-02A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-83	E405111-03A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-84	E405111-04A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-85	E405111-05A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-86	E405111-06A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-87 @1'	E405111-07A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-88 @1'	E405111-08A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-89 @1'	E405111-09A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-90	E405111-10A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-91	E405111-11A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-92	E405111-12A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-93	E405111-13A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-94	E405111-14A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.
FL-95	E405111-15A	Soil	05/06/24	05/08/24	Glass Jar, 2 oz.



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-81

E405111-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	9.46	pH Units	1	05/14/24	05/14/24	Batch: 2420071
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/09/24	05/10/24	Batch: 2419147
Ethylbenzene	ND	mg/kg	1	05/09/24	05/10/24	
Toluene	ND	mg/kg	1	05/09/24	05/10/24	
o-Xylene	ND	mg/kg	1	05/09/24	05/10/24	
p,m-Xylene	ND	mg/kg	1	05/09/24	05/10/24	
Total Xylenes	ND	mg/kg	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/09/24	05/10/24	Batch: 2419147
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	781	mg/kg	1	05/13/24	05/15/24	Batch: 2420006
Oil Range Organics (C28-C36)	52.4	mg/kg	1	05/13/24	05/15/24	T16
Surrogate: n-Nonane	112 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
Chloride	53.8	mg/kg	1	05/14/24	05/14/24	Batch: 2420046



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-82

E405111-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	9.17		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0288	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	103	25.0	1	05/13/24	05/15/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	20.6	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-83

E405111-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	9.23		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	ND	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.3 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	366	25.0	1	05/13/24	05/15/24	T16
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	114 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	36.9	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-84

E405111-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	9.02		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	ND	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.1 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	292	25.0	1	05/13/24	05/15/24	T16
Oil Range Organics (C28-C36)	53.6	50.0	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	36.0	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-85

E405111-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	8.09		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	ND	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.1 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	ND	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	111 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	54.3	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-86

E405111-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	8.48		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0331	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	154	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	110 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	ND	20.0	1	05/14/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

FL-87 @1'
E405111-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D	pH Units	pH Units	Analyst: WF		Batch: 2420071	
pH @25°C	8.59		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Benzene	0.0288	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0639	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	91.4 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2420006	
Diesel Range Organics (C10-C28)	95.1	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	111 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2420046	
Chloride	ND	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-88 @1'

E405111-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	8.77		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	0.0472	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0844	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.5 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	90.8	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	115 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	ND	20.0	1	05/14/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

FL-89 @1'
E405111-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420071	
	8.01		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Benzene	0.0281	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0613	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2420006	
Diesel Range Organics (C10-C28)	56.1	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420046	
Chloride	51.9	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-90

E405111-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	8.16		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	ND	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	69.9	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	114 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	36.3	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-91

E405111-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	8.03	pH Units	1	05/14/24	05/14/24	Batch: 2420071
Volatile Organics by EPA 8021B						
Benzene	ND	mg/kg	1	05/09/24	05/10/24	Batch: 2419147
Ethylbenzene	ND	mg/kg	1	05/09/24	05/10/24	
Toluene	ND	mg/kg	1	05/09/24	05/10/24	
o-Xylene	ND	mg/kg	1	05/09/24	05/10/24	
p,m-Xylene	ND	mg/kg	1	05/09/24	05/10/24	
Total Xylenes	ND	mg/kg	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %		70-130	05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
Gasoline Range Organics (C6-C10)	ND	mg/kg	1	05/09/24	05/10/24	Batch: 2419147
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.7 %		70-130	05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
Diesel Range Organics (C10-C28)	236	mg/kg	1	05/13/24	05/15/24	Batch: 2420006
Oil Range Organics (C28-C36)	ND	mg/kg	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	117 %		50-200	05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
Chloride	47.0	mg/kg	1	05/14/24	05/14/24	Batch: 2420046



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

FL-92
E405111-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420071	
	8.11		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0434	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2420006	
Diesel Range Organics (C10-C28)	68.7	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420046	
Chloride	28.5	20.0	1	05/14/24	05/14/24	



Sample Data

Targa
12600 WCR 91
Midland TX, 79707

Project Name: 7138_Red_Hills_2_Amine_Spill
Project Number: 21102-0001
Project Manager: Brett Dennis

Reported:
5/16/2024 2:13:34PM

FL-93

E405111-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF			Batch: 2420071
	8.26		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	0.0265	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
Surrogate: 4-Bromochlorobenzene-PID	88.7 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG			Batch: 2419147
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.3 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM			Batch: 2420006
Diesel Range Organics (C10-C28)	42.0	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
Surrogate: n-Nonane	111 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT			Batch: 2420046
Chloride	35.2	20.0	1	05/14/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

FL-94

E405111-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420071	
	8.37		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	ND	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.4 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2420006	
Diesel Range Organics (C10-C28)	33.8	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420046	
Chloride	ND	20.0	1	05/14/24	05/14/24	



Sample Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

FL-95

E405111-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9045D						
pH @25°C	pH Units	pH Units	Analyst: WF		Batch: 2420071	
	8.27		1	05/14/24	05/14/24	
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Benzene	ND	0.0250	1	05/09/24	05/10/24	
Ethylbenzene	ND	0.0250	1	05/09/24	05/10/24	
Toluene	ND	0.0250	1	05/09/24	05/10/24	
o-Xylene	ND	0.0250	1	05/09/24	05/10/24	
p,m-Xylene	ND	0.0500	1	05/09/24	05/10/24	
Total Xylenes	ND	0.0250	1	05/09/24	05/10/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/24	05/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		05/09/24	05/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2420006	
Diesel Range Organics (C10-C28)	25.5	25.0	1	05/13/24	05/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/13/24	05/15/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/13/24	05/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2420046	
Chloride	ND	20.0	1	05/14/24	05/14/24	



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

Wet Chemistry by EPA 9045D

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	

LCS (2420071-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
pH	7.93		8.00		99.2	98.75-101.25			
Duplicate (2420071-DUP1)					Source: E405111-03		Prepared: 05/14/24 Analyzed: 05/14/24		
pH	9.21			9.23		0.260	20		



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

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 (2419147-BLK1) Prepared: 05/09/24 Analyzed: 05/10/24

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	7.39		8.00		92.4	70-130			

LCS (2419147-BS1) Prepared: 05/09/24 Analyzed: 05/10/24

Benzene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.1	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
o-Xylene	4.95	0.0250	5.00		99.0	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

Matrix Spike (2419147-MS1) Source: E405111-03 Prepared: 05/09/24 Analyzed: 05/10/24

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133			
Toluene	5.03	0.0250	5.00	ND	101	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			

Matrix Spike Dup (2419147-MSD1) Source: E405111-03 Prepared: 05/09/24 Analyzed: 05/10/24

Benzene	5.01	0.0250	5.00	ND	100	54-133	0.869	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133	0.202	20	
Toluene	5.02	0.0250	5.00	ND	100	61-130	0.336	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	0.329	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.177	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	0.227	20	
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.8	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2419147-BLK1) Prepared: 05/09/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			

LCS (2419147-BS2) Prepared: 05/09/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

Matrix Spike (2419147-MS2) Source: E405111-03 Prepared: 05/09/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			

Matrix Spike Dup (2419147-MSD2) Source: E405111-03 Prepared: 05/09/24 Analyzed: 05/10/24

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130	3.11	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2420006-BLK1)					Prepared: 05/13/24 Analyzed: 05/15/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.9		50.0		104	50-200			

LCS (2420006-BS1)					Prepared: 05/13/24 Analyzed: 05/15/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS Dup (2420006-BSD1)					Prepared: 05/13/24 Analyzed: 05/15/24				
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132	0.763	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			



QC Summary Data

Targa	Project Name:	7138_Red_Hills_2_Amine_Spill	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	5/16/2024 2:13:34PM

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 (2420046-BLK1)					Prepared: 05/14/24 Analyzed: 05/14/24				
Chloride	ND	20.0							
LCS (2420046-BS1)					Prepared: 05/14/24 Analyzed: 05/14/24				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2420046-BSD1)					Prepared: 05/14/24 Analyzed: 05/14/24				
Chloride	252	20.0	250		101	90-110	1.05	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:	7138_Red_Hills_2_Amine_Spill	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	05/16/24 14:13

- T16 The results for this petroleum hydrocarbon analysis is elevated due to the presence of a single analyte peak in the quantitation range.
- 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.

Released to Imaging: 2/26/2025 12:20:50 PM

Received by OCB: 11/13/2024 8:38:36 AM

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Client:	Targa Resources	Bill To										
Project:	7138-Red-Hills-2-Amine-Spill	Attention:	Amber Groves									
Project Manager:	Brett Dennis	Address:	201 S 4th St.									
Address:	2620 W. Marland Blvd.	City, State, Zip:	Artesia, NM									
City, State, Zip:	Hobbs, NM 88240	Phone:										
Phone:		Email:	agroves@targaresources.com									
Email:	bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@tasman-geo.com; nmdata@tasman-geo.com	*PO Pending*										
Report due by:												

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GR by 8015	BTEX by	PH	Metals	Chloride				BGDO		GDOC		Remarks
2:25	05.06.24	S	1	FL-81	1	X	X	X		X								
2:25	05.06.24	S	1	FL-82	2	X	X	X		X								
2:25	05.06.24	S	1	FL-83	3	X	X	X		X								
2:30	05.06.24	S	1	FL-84	4	X	X	X		X								
2:30	05.06.24	S	1	FL-85	5	X	X	X		X								
2:30	05.06.24	S	1	FL-86	6	X	X	X		X								
2:30	05.06.24	S	1	FL-87 @ 1'	7	X	X	X		X								
2:35	05.06.24	S	1	FL-88 @ 1'	8	X	X	X		X								
2:35	05.06.24	S	1	FL-89 @1'	9	X	X	X		X								
2:35	05.06.24	S	1	FL-90	10	X	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 mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: RYAN EAST

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) <i>[Signature]</i>	Date 05.07.24	Time 1:29	Received by: (Signature) <i>Michelle Gonzales</i>	Date 5-7-24	Time 1329	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 5-7-24	Time 1805	Received by: (Signature) <i>[Signature]</i>	Date 5.7.24	Time 1805	
Relinquished by: (Signature) <i>[Signature]</i>	Date 5.7.24	Time 2400	Received by: (Signature) <i>[Signature]</i>	Date 5-8-24	Time 0500	
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.

Project Information

Chain of Custody

Page 10 of 10

Client: Targa Resources		Bill To		Lab Use Only		TAT		EPA Program	
Project: 7138-Red-Hills-2-Amine-Spill		Attention: Amber Groves		Lab WO# E 405011		Job Number 21102-0001		CWA SDWA	
Project Manager: Brett Dennis		Address: 201 S 4th St.							
Address: 2620 W. Marland Blvd.		City, State, Zip: Artesia, NM						RCRA	
City, State, Zip: Hobbs, NM 88240		Phone:							
325-660-7395		Email: agroves@targaresources.com							
Email: bdennis@tasman-geo.com; bbastos@tasman-geo.com; lflores@ta		*PO Pending*							
Report due by:									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRQ/DRO/ORO by 8015	BTEX by 8021	PH	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
2:40	05.06.24	S	1	FL-91	11	X	X	X	X				
2:40	05.06.24	S	1	FL-92	12	X	X	X	X				
2:40	05.06.24	S	1	FL-93	13	X	X	X	X				
2:40	05.06.24	S	1	FL-94	14	X	X	X	X				
2:40	05.06.24	S	1	FL-95	15	X	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.						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.					
Sampled by: BRYAN BASTOS											
Relinquished by: (Signature)	05.07.24	Time 1:29	Received by: (Signature)	Date 5-7-24	Time 1329	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature)	Date 5-7-24	Time 1805	Received by: (Signature)	Date 5-7-24	Time 1805						
Relinquished by: (Signature)	Date 5-7-24	Time 2400	Received by: (Signature)	Date 5-8-24	Time 0500						
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 Analytical Laboratory

Printed: 5/9/2024 4:02:46PM

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:	05/08/24 05:00	Work Order ID:	E405111
Phone:	(432) 999-8675	Date Logged In:	05/07/24 17:47	Logged In By:	Alexa Michaels
Email:	bdennis@tasman-geo.com	Due Date:	05/14/24 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Targa

Project Name: 7067 Red Hills 5

Work Order: E408145

Job Number: 21102-0001

Received: 8/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 8/19/24

Brett Dennis
12600 WCR 91
Midland, TX 79707



Project Name: 7067 Red Hills 5
Workorder: E408145
Date Received: 8/16/2024 8:00:56AM

Brett Dennis,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/16/2024 8:00:56AM, under the Project Name: 7067 Red Hills 5.

The analytical test results summarized in this report with the Project Name: 7067 Red Hills 5 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 regarding 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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Sample Summary

Targa	Project Name:	7067 Red Hills 5	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	08/19/24 15:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Red Hills Backfill	E408145-01A	Soil	08/14/24	08/16/24	Glass Jar, 4 oz.



Sample Data

Targa	Project Name:	7067 Red Hills 5	Reported: 8/19/2024 3:04:38PM
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	

Red Hills Backfill

E408145-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2433113	
Benzene	ND	0.0250	1	08/16/24	08/19/24	
Ethylbenzene	ND	0.0250	1	08/16/24	08/19/24	
Toluene	ND	0.0250	1	08/16/24	08/19/24	
o-Xylene	ND	0.0250	1	08/16/24	08/19/24	
p,m-Xylene	ND	0.0500	1	08/16/24	08/19/24	
Total Xylenes	ND	0.0250	1	08/16/24	08/19/24	
Surrogate: 4-Bromochlorobenzene-PID	89.8 %	70-130		08/16/24	08/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2433113	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/16/24	08/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.6 %	70-130		08/16/24	08/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433105	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/16/24	
Surrogate: n-Nonane	98.8 %	50-200		08/15/24	08/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433112	
Chloride	50.4	20.0	1	08/16/24	08/16/24	



QC Summary Data

Targa	Project Name:	7067 Red Hills 5	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	8/19/2024 3:04:38PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433113-BLK1) Prepared: 08/16/24 Analyzed: 08/16/24

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	7.16		8.00		89.4	70-130			

LCS (2433113-BS1) Prepared: 08/16/24 Analyzed: 08/16/24

Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.4	70-130			

Matrix Spike (2433113-MS1) Source: E408144-07 Prepared: 08/16/24 Analyzed: 08/16/24

Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.1	70-130			

Matrix Spike Dup (2433113-MSD1) Source: E408144-07 Prepared: 08/16/24 Analyzed: 08/16/24

Benzene	5.14	0.0250	5.00	ND	103	54-133	0.925	20	
Ethylbenzene	4.95	0.0250	5.00	ND	99.1	61-133	0.862	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	0.839	20	
o-Xylene	4.92	0.0250	5.00	ND	98.5	63-131	0.703	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.775	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131	0.752	20	
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			



QC Summary Data

Targa	Project Name:	7067 Red Hills 5	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	8/19/2024 3:04:38PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433113-BLK1) Prepared: 08/16/24 Analyzed: 08/16/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			

LCS (2433113-BS2) Prepared: 08/16/24 Analyzed: 08/16/24

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike (2433113-MS2) Source: E408144-07 Prepared: 08/16/24 Analyzed: 08/16/24

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			

Matrix Spike Dup (2433113-MSD2) Source: E408144-07 Prepared: 08/16/24 Analyzed: 08/16/24

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.1	70-130	0.166	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			



QC Summary Data

Targa	Project Name:	7067 Red Hills 5	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	8/19/2024 3:04:38PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433105-BLK1) Prepared: 08/15/24 Analyzed: 08/16/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			

LCS (2433105-BS1) Prepared: 08/15/24 Analyzed: 08/16/24

Diesel Range Organics (C10-C28)	237	25.0	250		94.6	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2433105-MS1) Source: E408144-06 Prepared: 08/15/24 Analyzed: 08/16/24

Diesel Range Organics (C10-C28)	225	25.0	250	ND	90.1	38-132			
Surrogate: n-Nonane	48.1		50.0		96.2	50-200			

Matrix Spike Dup (2433105-MSD1) Source: E408144-06 Prepared: 08/15/24 Analyzed: 08/16/24

Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	10.4	20	
Surrogate: n-Nonane	60.7		50.0		121	50-200			



QC Summary Data

Targa	Project Name:	7067 Red Hills 5	Reported:
12600 WCR 91	Project Number:	21102-0001	
Midland TX, 79707	Project Manager:	Brett Dennis	8/19/2024 3:04:38PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2433112-BLK1)					Prepared: 08/16/24 Analyzed: 08/16/24				
Chloride	ND	20.0							
LCS (2433112-BS1)					Prepared: 08/16/24 Analyzed: 08/16/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2433112-MS1)					Source: E408143-01		Prepared: 08/16/24 Analyzed: 08/16/24		
Chloride	311	20.0	250	55.2	102	80-120			
Matrix Spike Dup (2433112-MSD1)					Source: E408143-01		Prepared: 08/16/24 Analyzed: 08/16/24		
Chloride	317	20.0	250	55.2	105	80-120	1.94	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:	7067 Red Hills 5	
12600 WCR 91	Project Number:	21102-0001	Reported:
Midland TX, 79707	Project Manager:	Brett Dennis	08/19/24 15:04

- 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.



Client: <u>Targa Resources</u>	Bill To	Lab Use Only				TAT				EPA Program								
Project: <u>7067 Red Hills 5</u>	Attention: <u>Amber Groves</u>	Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA							
Project Manager: <u>Brett Dennis</u>	Address: <u>201 S 4th St.</u>	<u>E408145</u>		<u>21102-0001</u>			<u>X</u>											
Address: <u>2620 W. Marland Blvd.</u>	City, State, Zip: <u>Artesia, NM</u>	Analysis and Method										RCRA						
City, State, Zip: <u>Hobbs, NM 88240</u>	Phone:	O/DRO/ORO	8021	8260	5010	300.0			NM		TX		State					
325-660-7395	Email: <u>agroves@targaresources.com</u>												NM	CO	UT	AZ	TX	
Email: <u>bdennis@tasman-geo.com; bbastos@tasman-geo.com; llores@ta</u>	*PO Pending*												X					
Report due by:																		

[illegible]

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.	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.
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Relinquished by: (Signature) <i>[Signature]</i>	8/14/2024	Time 11:52	Received by: (Signature) <i>Michelle Gonzales</i>	Date 8-15-24	Time 1152	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 8-15-24	Time 2240	Received by: (Signature) <i>[Signature]</i>	Date 8-16-24	Time 0800	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

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

Printed: 8/16/2024 8:46:53AM

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:	08/16/24 08:00	Work Order ID:	E408145
Phone:	(432) 999-8675	Date Logged In:	08/15/24 15:38	Logged In By:	Noe Soto
Email:	bdennis@tasman-geo.com	Due Date:	08/19/24 17:00 (1 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sampled by name is missing on COC by client.

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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? No

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 filtration 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.

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Oil Conservation Division

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Santa Fe, NM 87505

QUESTIONS

Action 402782

QUESTIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401752221
Incident Name	NAPP2401752221 RED HILLS PLANT @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123031392] TARGA NORTHERN DELAWARE, LLC.

Location of Release Source	
Please answer all the questions in this group.	
Site Name	RED HILLS PLANT
Date Release Discovered	01/17/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Equipment Failure Tank (Any) Other (Specify) Released: 43 BBL Recovered: 0 BBL Lost: 43 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	45% amine/55% water solution

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QUESTIONS, Page 2

Action 402782

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: 11/13/2024
--	--

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QUESTIONS, Page 3

Action 402782

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 100 and 500 (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 ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 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	No

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
<i>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.</i>	
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)	140
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	393
GRO+DRO (EPA SW-846 Method 8015M)	269
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
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	04/08/2024
On what date will (or did) the final sampling or liner inspection occur	05/06/2024
On what date will (or was) the remediation complete(d)	05/14/2024
What is the estimated surface area (in square feet) that will be reclaimed	18676
What is the estimated volume (in cubic yards) that will be reclaimed	516
What is the estimated surface area (in square feet) that will be remediated	18676
What is the estimated volume (in cubic yards) that will be remediated	516

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, Page 4

Action 402782

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	OWL LANDFILL JAL [fJEG1635837366]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(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)	No
<i>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>	
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: 11/13/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 402782

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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, Page 6

Action 402782

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	339250
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2024
What was the (estimated) number of samples that were to be gathered	92
What was the sampling surface area in square feet	18400

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	18676
What was the total volume (cubic yards) remediated	516
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	18676
What was the total volume (in cubic yards) reclaimed	516
Summarize any additional remediation activities not included by answers (above)	Please see the attached closure report for more information. Targa is respectfully requesting a variance to site seeding as this release is contained on pad and located inside a natural gas processing facility that has no plans to decommission in the near future.

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: 11/13/2024
--	--

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QUESTIONS, Page 7

Action 402782

QUESTIONS (continued)

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

Sante Fe Main Office
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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

CONDITIONS

Action 402782

CONDITIONS

Operator: Targa Northern Delaware, LLC. 110 W. 7th Street, Suite 2300 Tulsa, OK 74119	OGRID: 331548
	Action Number: 402782
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	2/26/2025