

Incident ID	nAPP2122449769
District RP	
Facility ID	
Application ID	

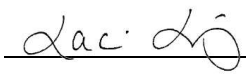
Closure

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

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

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


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

Printed Name: Laci Luig Title: ESH Specialist
Signature:  Date: 12/1/2021
email: lluig@cimarex.com Telephone: (432) 208-3035

OCD Only

Received by: Chad Hensley Date: 12/28/2021

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

Closure Approved by:  Date: 12/28/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Site Information

Closure Report
Triste Draw 25 ROW Spill
Lea County, New Mexico
Unit O Sec 25 T23S R32E
Incident #: NAPP2122449769
32.268594°, -103.624932°

Produce Water Release
Source: Ruptured 4" Poly Line
Release Date: 08/10/21
Volume Released: 78 bbls/Produced Water
Volume Recovered: 65 bbls/Produced Water

Prepared for:
Cimarex Energy Co
600 N Marienfeld Street
Suite 600
Midland, Tx 79701

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



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PHOTOS	PHOTOLOG

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APPENDIX C	LABORATORY ANALYTICAL REPORTS



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

November 29, 2021

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

**Re: Closure Report
Triste Draw 25 ROW Spill
Cimarex Energy Co.
Site Location: Unit O, S25, T23S, R32E
(Lat 32.268594°, Long -103.624932 °)
Lea County, New Mexico**

To whom it may concern:

On behalf of Cimarex Energy Co. (Cimarex), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment and remediation activities for the Triste Draw 25 ROW Spill. The site is located at 32.268594°, -103.624932° within Unit O, S25, T23S, R32E, and approximately 30.2 miles Northwest of Jal, New Mexico, in Lea County (Figures 1 and 2).

Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the leak was discovered on August 10, 2021. The release was caused by another operator hitting a 4" poly water line. It resulted in the release of approximately seventy-eight (78) barrels of produced water, and sixty-five (65) barrels of produced water were recovered. The impacted area measured approximately 200' x 100', as shown on Figure 3. The initial C-141 form is attached in Appendix A.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, there is no known water source within a ½ mile radius of the location. The closest identified well is located approximately 0.79 miles West of the site in S35, T23S, R32E. The well has a reported depth to groundwater of 487.39' feet below ground surface (ft bgs). A copy of the associated USGS – *National Water Information System* report is attached in Appendix B.

On October 27, 2021, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below surface and within a ½ mile radius of the location. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below surface. The coordinates for the groundwater determination bore are 32.269008, -103.625727. See Appendix B for the drillers log.

Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO + DRO).
- Chloride: 10,000 mg/kg.

Site Assessment

On September 23, November 1, and November 8, 2021, NTGE conducted site assessment activities to assess soil impacts resulting from the release. A total of twelve (12) sample points were advanced to depths ranging surface – 7.5 ft bgs within and surrounding the release area. The soil sample locations are shown on Figure 3.

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

Referring to Table 1, the areas of sample points S-1, S-2, and S-4 showed chloride concentrations ranging from 85.4 mg/kg to 8,430 mg/kg. The area of S-3 showed a high chloride concentration of 715 mg/kg at 1.5' below surface and then declined with depth. The areas of S-1, S-3, and S-4 showed high TPH concentrations of 104 mg/kg to 7,850 mg/kg.

Remediation Activities and Confirmation Sampling

New Tech Global Environmental personnel were onsite from September 13-19, 2021, directing the remediation activities and collecting confirmation samples. The areas of S-1, S-2, and S-4 were excavated to a depth of 4' below surface. The area of S-3 was excavated to 2' below surface.

A total of thirty-three (33) confirmation samples were collected (CS-1 through CS-33), and twenty (20) sidewall samples (SW-1 through SW-20) were collected every 200 square feet to ensure proper removal of the contaminated soils. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The excavation depths and confirmation sample locations are shown in Figure 4. All final confirmation samples were below 19.15.29.12 NMAC criteria.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. Approximately 931 cubic yards of material were excavated and transported offsite for proper disposal.

Conclusions

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

Sincerely,

NTG Environmental



Mike Carmona
Senior Project Manager

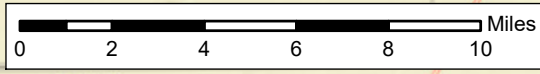
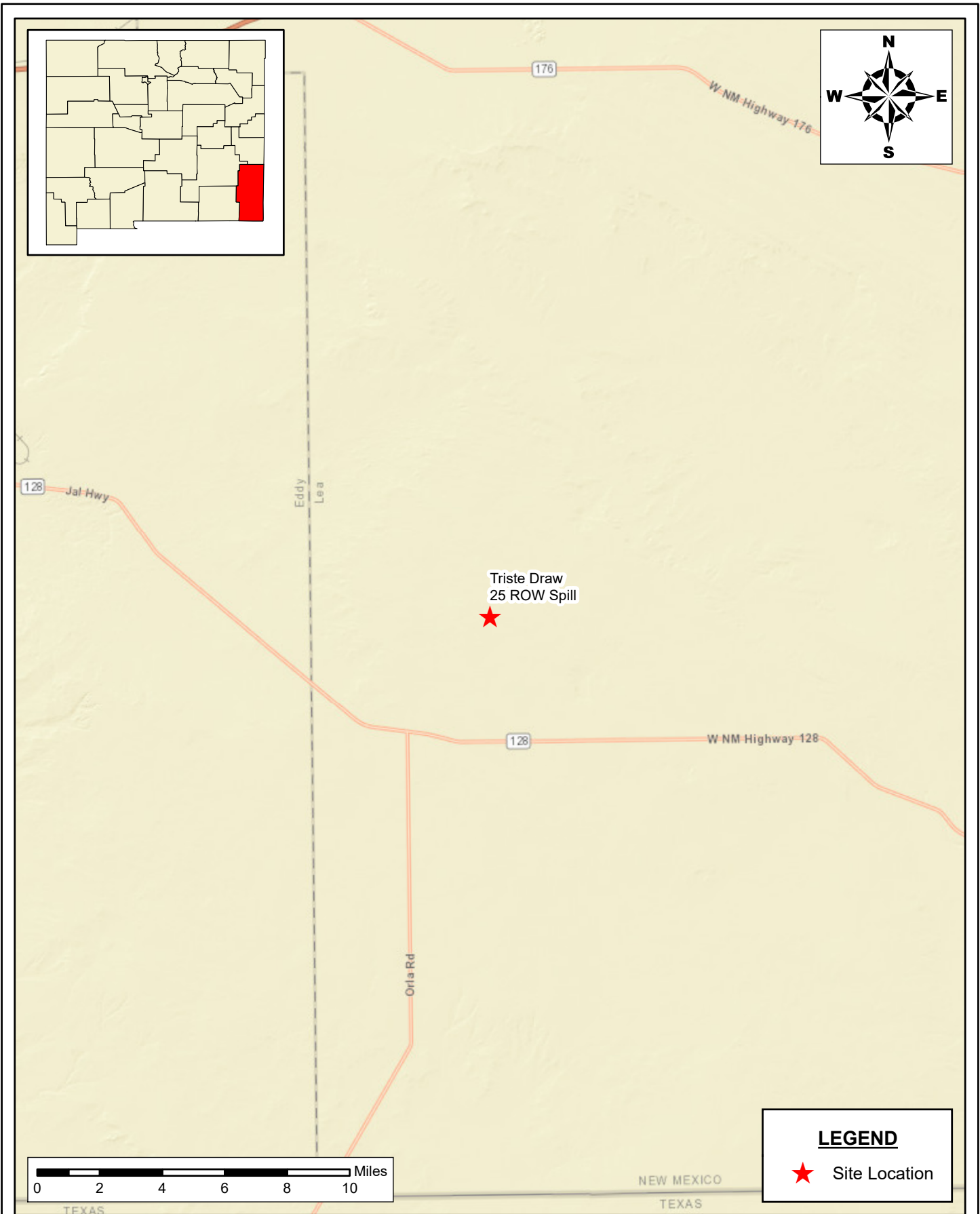


Ashton Thielke
Project Manager



Figures

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LEGEND

★ Site Location

SITE LOCATION MAP
CIMAREX ENERGY CO.
 TRISTE DRAW 25 ROW SPILL
 LEA COUNTY, NEW MEXICO
 32.268634, -103.624903

SCALE: As Shown

Date: 11/17/2021

PROJECT #: 214707



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

NOTES:

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

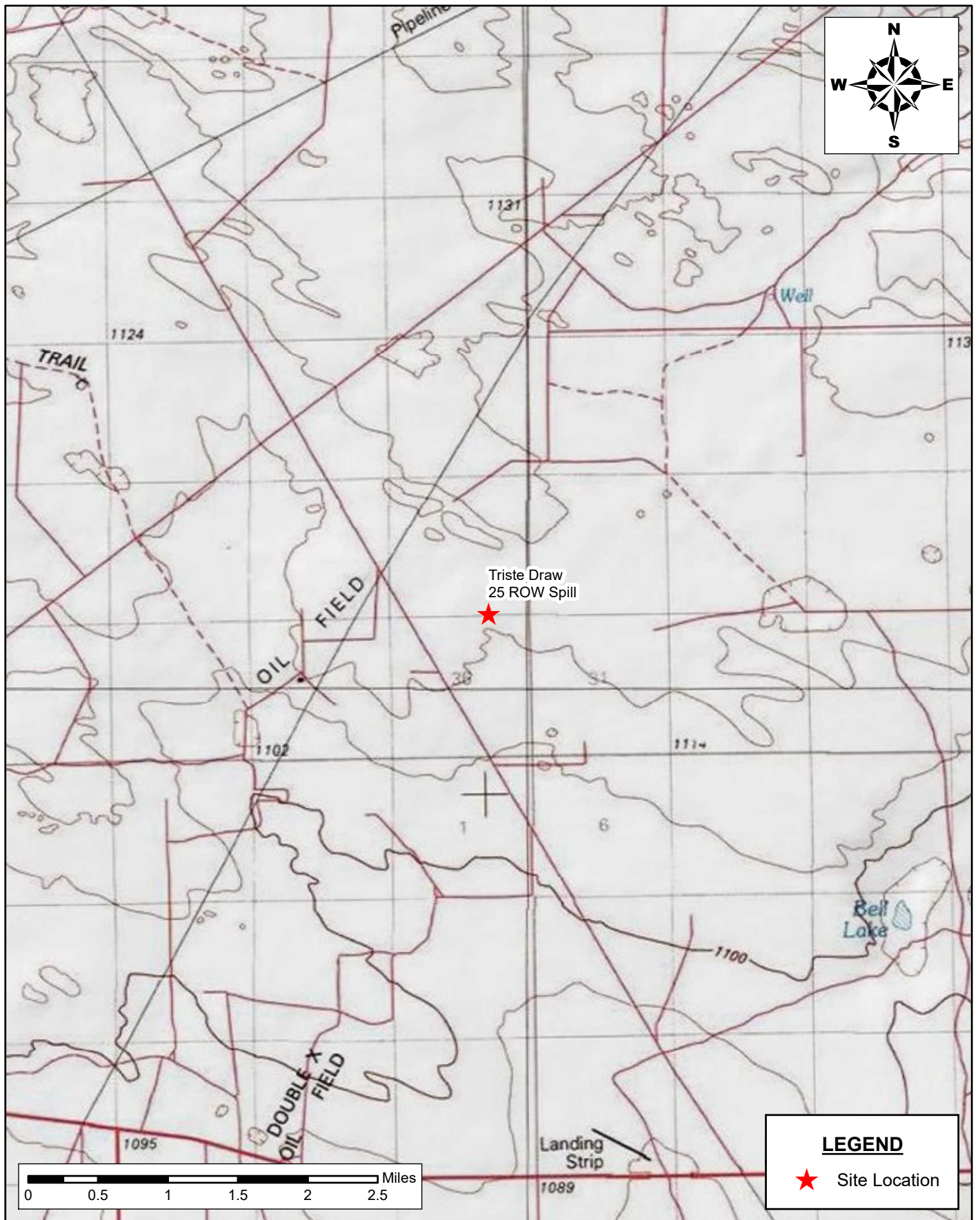
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FIGURE 1


SHEET NUMBER:

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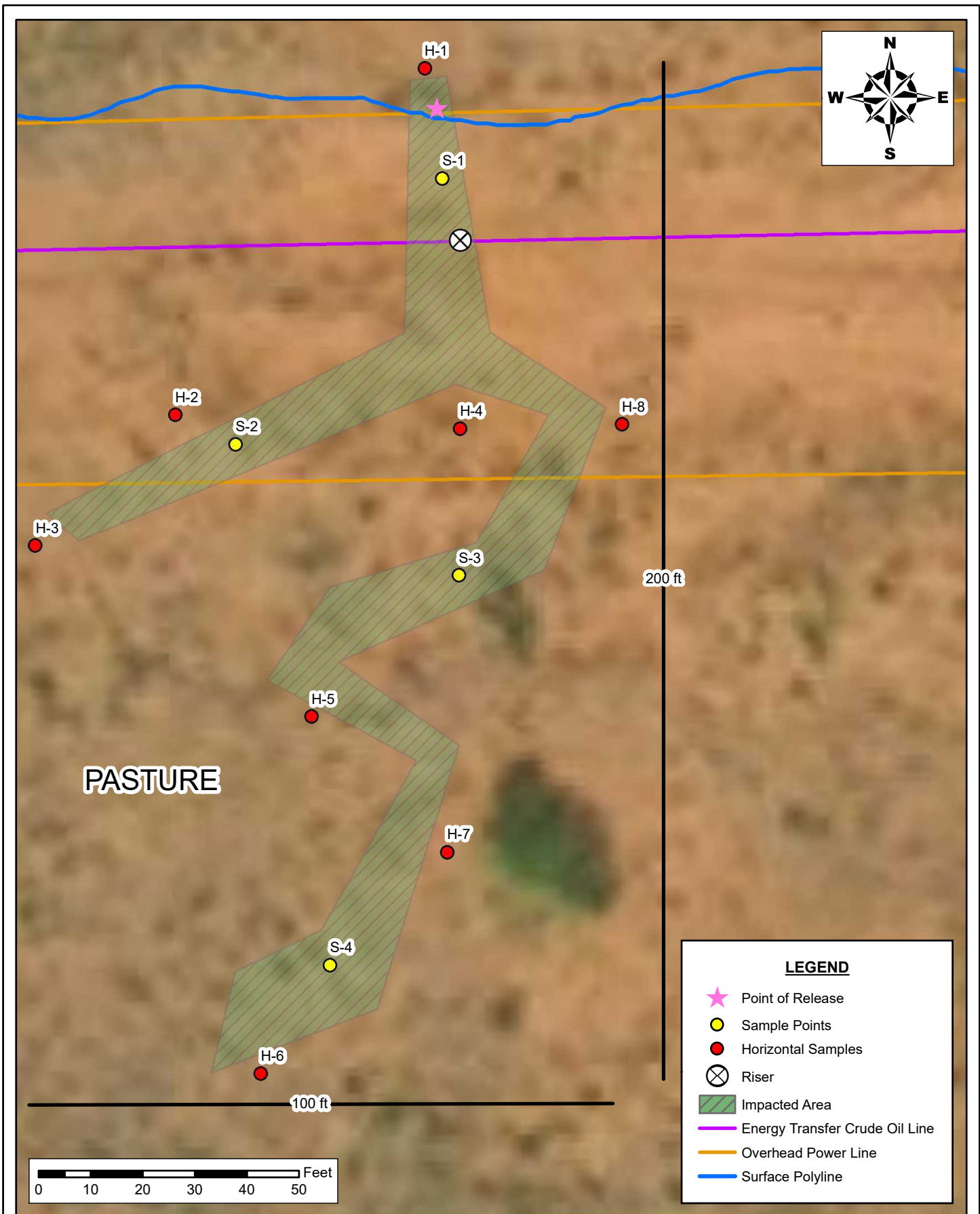
AREA MAP CIMAREX ENERGY CO. TRISTE DRAW 25 ROW SPILL LEA COUNTY, NEW MEXICO 32.268634, -103.624903		
SCALE: As Shown	Date: 11/17/2021	PROJECT #: 214707

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

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

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

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PASTURE

200 ft

100 ft

0 10 20 30 40 50 Feet

LEGEND

- ★ Point of Release
- Sample Points
- Horizontal Samples
- ⊗ Riser
- ▨ Impacted Area
- Energy Transfer Crude Oil Line
- Overhead Power Line
- Surface Polyline

SAMPLE LOCATION MAP
CIMAREX ENERGY CO.
 TRISTE DRAW 25 ROW SPILL
 LEA COUNTY, NEW MEXICO
 32.268634, -103.624903

SCALE: As Shown

Date: 11/17/2021

PROJECT #: 214707



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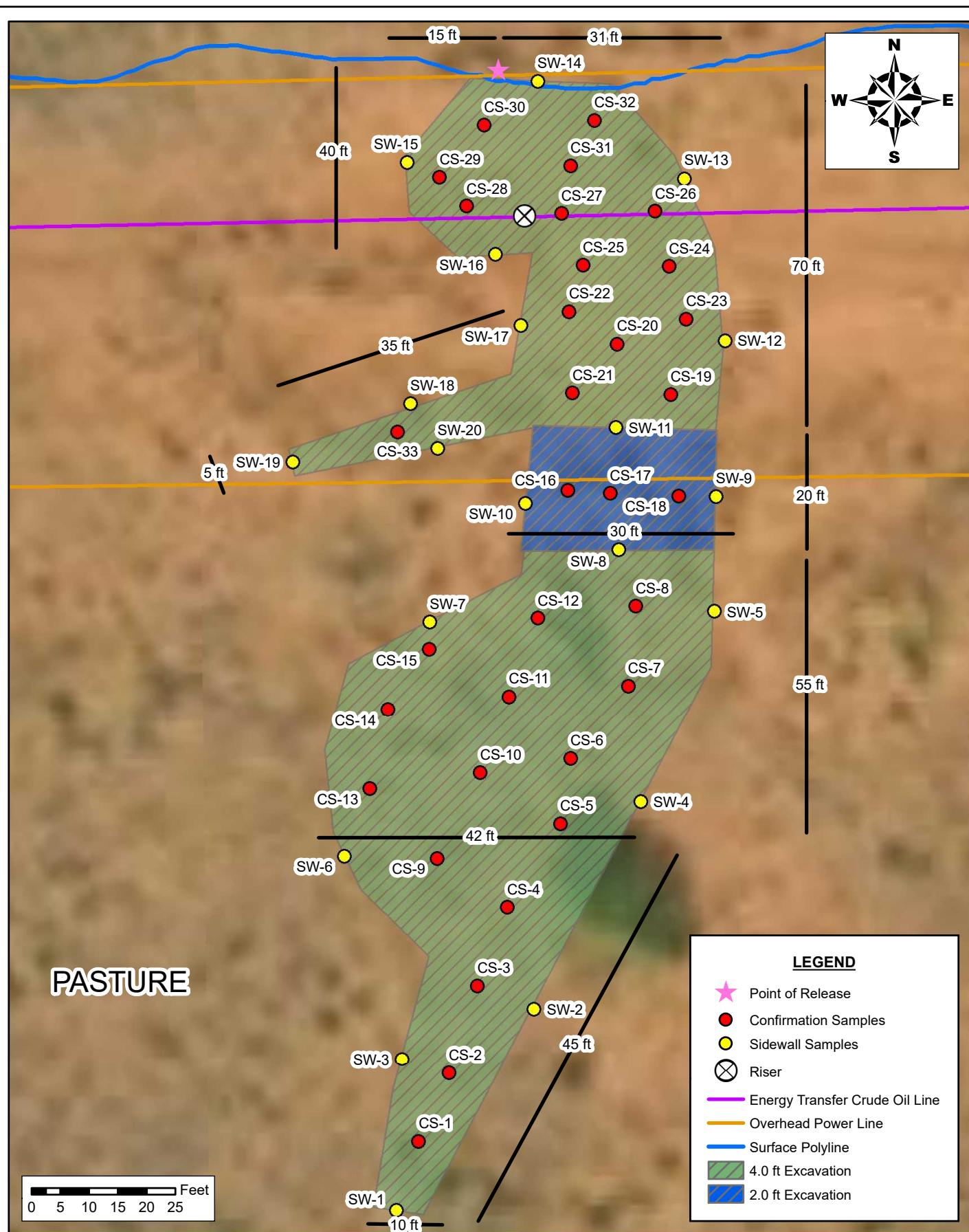
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FIGURE 3

SHEET NUMBER:

1 of 1

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SITE LOCATION MAP
CIMAREX ENERGY CO.
 TRISTE DRAW 25 ROW SPILL
 LEA COUNTY, NEW MEXICO
 32.268634, -103.624903

SCALE: As Shown

Date: 11/17/2021

PROJECT #: 214707



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NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1



Tables

Table 1
Cimarex Energy Co.
Triste Draw 25 ROW Spill
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			DRO	GRO	MRO	Total						
S-1	9/23/2021	0-1	ND	6,380	1,460	7,850	ND	ND	ND	ND	ND	87.4
	"	1-1.5	ND	104	35.0	139	ND	ND	ND	ND	ND	692
	"	2-2.5	ND	41.3	ND	41.3	ND	ND	ND	ND	ND	5,650
	"	3-3.5	ND	30.2	ND	30.2	ND	ND	ND	ND	ND	4,670
	"	4-4.5	ND	53.1	ND	53.1	ND	ND	ND	ND	ND	4,110
	11/8/2021	5-5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.3
S-2	"	6-6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.8
	9/23/2021	0-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	16,500
	"	1-1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	513
	"	2-2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,030
	"	3-3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,130
	"	4-4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,020
S-3	11/8/2021	5-5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.12
	"	6-6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.39
	9/23/2021	0-1	ND	5,030	790	5,820	ND	ND	ND	ND	ND	175
	"	1-1.5	ND	74.2	29.3	104	ND	ND	ND	ND	ND	715
	"	2-2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	141
	"	3-3.5	ND	43.9	ND	43.9	ND	ND	ND	ND	ND	166
S-4	"	4-4.5	ND	33.1	ND	33.1	ND	ND	ND	ND	ND	507
	9/23/2021	0-1	ND	199	32.7	232	ND	ND	ND	ND	ND	85.4
	"	1-1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	372
	"	2-2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,130
	"	3-3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,240
	"	4-4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100
S-4	11/1/2021	5-5.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,310
	"	6-6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,430
	"	7-7.5	ND	43.9	ND	ND	ND	ND	ND	ND	ND	98.8
H-1	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.04
H-2	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.76
H-3	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
H-4	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.35
H-5	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.9
H-6	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.22
H-7	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.98
H-8	9/23/2021	0-0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.71
Regulatory Limits^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

 -Excavated

^A - Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

ND - Non-Detect

Table 2
Cimarex Energy Co.
Triste Draw 25 ROW Spill
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.56
CS-2	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.86
CS-3	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.3
CS-4	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.7
CS-5	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	106
CS-6	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	875
CS-7	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.03
CS-8	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	44.2
CS-9	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	93.0
CS-10	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	650
CS-11	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CS-12	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.38
CS-13	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.4
CS-14	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.0
CS-15	11/1/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	206
CS-16	11/8/2021	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.4

Table 2
Cimarex Energy Co.
Triste Draw 25 ROW Spill
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-17	11/8/2021	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.8
CS-18	11/8/2021	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.81
CS-19	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,360
CS-20	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	183
CS-21	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	350
CS-22	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	666
CS-23	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,800
CS-24	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	120
CS-25	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.6
CS-26	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.7
CS-27	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,790
CS-28	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	958
CS-29	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,260
CS-30	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,630
CS-31	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,880
CS-32	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,080
CS-33	11/8/2021	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.7

Table 2
Cimarex Energy Co.
Triste Draw 25 ROW Spill
Lea County, New Mexico

Sample ID	Date	Sample Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.80
SW-2	11/1/2021	-	ND	ND	ND	ND	ND	0.00124	ND	ND	0.00124	41.7
SW-3	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-4	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-5	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.84
SW-6	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-7	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.94
SW-8	11/1/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.9
SW-9	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.8
SW-10	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	252
SW-11	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	162
SW-12	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.85
SW-13	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.8
SW-14	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.45
SW-15	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8
SW-16	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.38
SW-17	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.05
SW-18	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SW-19	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.61
SW-20	11/8/2021	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Regulatory Limits^A			1,000 mg/kg			2,500 mg/kg	10 mg/kg				50 mg/kg	10,000 mg/kg

^A – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

ND - Non-Detect

NTGE Project No. 214707

Prepared by:  **NTG**
ENVIRONMENTAL



Photo Log

PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 1

Facility: Triste Draw 25 ROW Spill

County: Lea County, New Mexico

Description:

View South, view of confirmation samples (1-15).



Photograph No. 2

Facility: Triste Draw 25 ROW Spill

County: Lea County, New Mexico

Description:

View East, view of confirmation samples (16-18).



Photograph No. 3

Facility: Triste Draw 25 ROW Spill

County: Lea County, New Mexico

Description:

View Southwest, view of confirmation samples (19-25).



PHOTOGRAPHIC LOG

Cimarex Energy Co.

Photograph No. 4

Facility: Triste Draw 25 ROW Spill

County: Lea County, New Mexico

Description:

View East, view of confirmation samples (26-27 & 31-32).



Photograph No. 5

Facility: Triste Draw 25 ROW Spill

County: Lea County, New Mexico

Description:

View West, view of confirmation samples (28-30).



Photograph No. 5

Facility: Triste Draw 25 ROW Spill

County: Lea County, New Mexico

Description:

View Southwest, view of confirmation sample (33).





Appendix A

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

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

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

Incident ID	nAPP2122449769
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: llug@cimarex.com	Incident # (assigned by OCD) nAPP2122449769
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.268707 _____ Longitude -103.624937 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Triste Draw 25 Federal	Site Type: ROW & pasture
Date Release Discovered: 8/10/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	25	23S	32E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 78	Volume Recovered (bbls) 65
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Human Error

Energy Transfer was in the process of mowing their NM ROW when their mower hit our 4" poly water line, causing a release of produced water in the pasture area. Released 78.4 barrels of produced water, recovered 65 barrels.

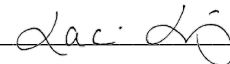
NOTE: The spill started on BLM surface (O-25-23S-32E; 32.268707, -103.624937) and ended on State Land surface (B-36-23S-32E; 32.268149, -103.625100).

Incident ID	nAPP2122449769
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Total amount of release is greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Gloria Garza To: Mike Bratcher, Cristina Eads, Jim Griswold, Robert Hamlet, SLO and BLM By: Email	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Laci Luig _____ Title: ESH Specialist _____ Signature:  _____ Date: 8/12/2021 _____ email: llui@cimarex.com _____ Telephone: (432) 208-3035 _____
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

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Printed Name: _____ Title: _____

Signature: *[Signature]* Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: lac. Lj Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



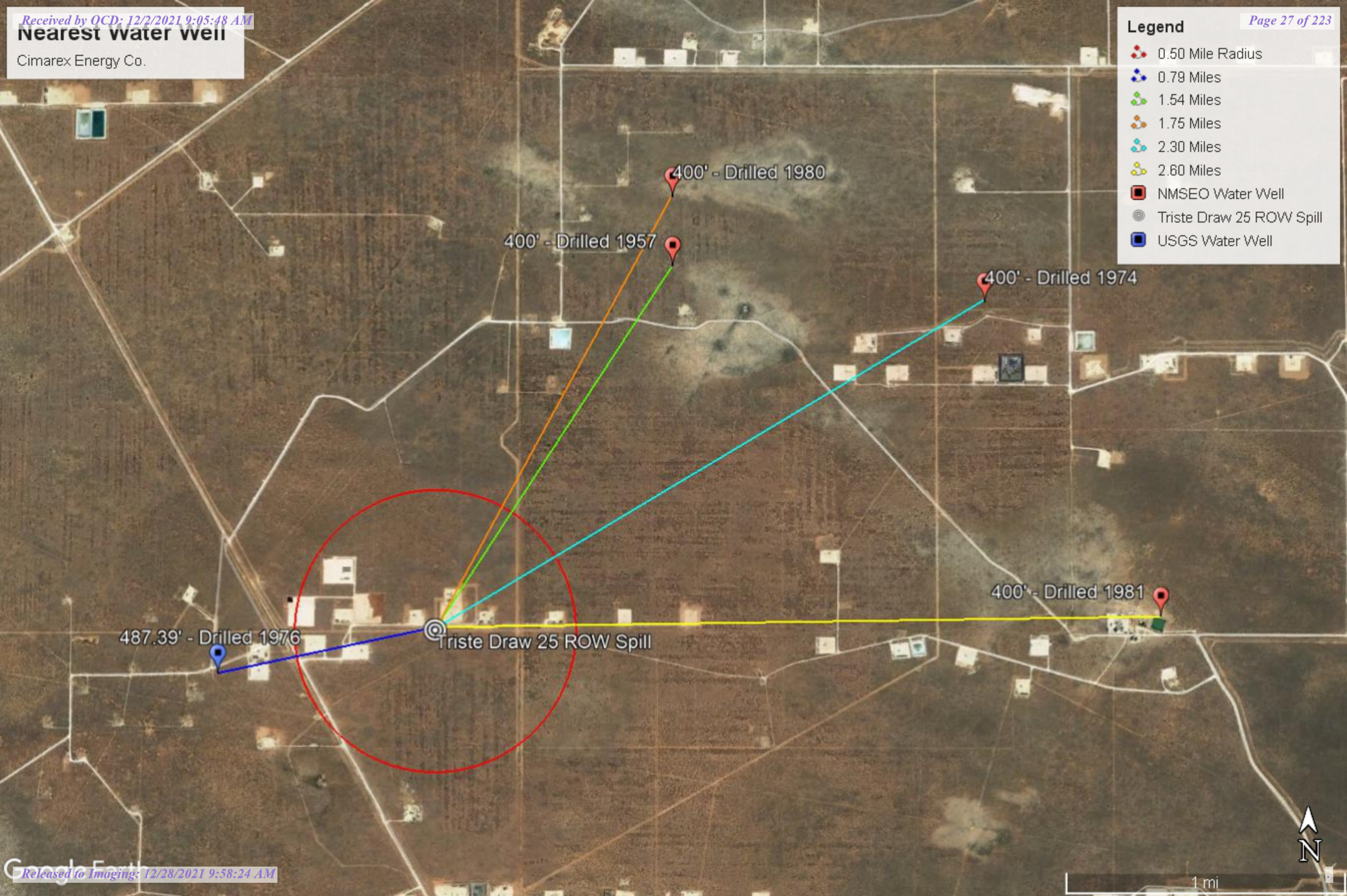
Appendix B

Nearest water well

Cimarex Energy Co.

Legend




- 0.50 Mile Radius
- 0.79 Miles
- 1.54 Miles
- 1.75 Miles
- 2.30 Miles
- 2.60 Miles
- NMSEO Water Well
- Triste Draw 25 ROW Spill
- USGS Water Well



Tristie Draw 25 Spill

Ground Water Determination Map

Legend

-  1/2 mile radius
-  55' GWDB
-  Tristie Draw 25 ROW



2000 ft



Project Name :	Cimarex - Triste Draw 25 ROW	Date :	Wednesday, October 27th, 2021
Project No. :	214707	Sampler :	Nick Hart
Location :	Lea Co, New Mexico	Driller :	Scarborough Drilling
Coordinates :	32.269008°, -103.625727°	Method :	Air Rotary
Elevation :	3,625'		

Depth (ft.)	WL	Soil Description	Lithology	Depth (ft.)	WL	Soil Description	Lithology
0		(0') - Yellowish orange, coarse-grained loose sand and white caliche gravel in equal amounts. (SP). Dry		50		(50') - Yellowish orange, loose alluvial sand and gravel. Pebble size chert fragments. Chert is white to medium gray, angular to subrounded. >50% fine grained sand w/ 20% chert. (SW) Dry	
5		(3') - Reddish brown, coarse-grained to fine-grained, angular to rounded loose sand (SM). Dry		55		(55') - GWDB terminated @ 11:00 (MT) to a TD of 55' bgs	
10				60			
15		(15') - Yellowish orange, alluvial sand and gravelk. Well-graded fine-grained sand with <10% cobble sized white caliche (SW). Dry		65			
20				70			
25				75			
30				80			
35				85			
40				90			
45		(45') - Yellowish orange, rounded to angular loose sand with <10% caliche gravel. (SW) Dry		95			
50				105			



Comments : Total Depth 55' bgs
Drilling Terminated @ 11:00 MT No groundwater present

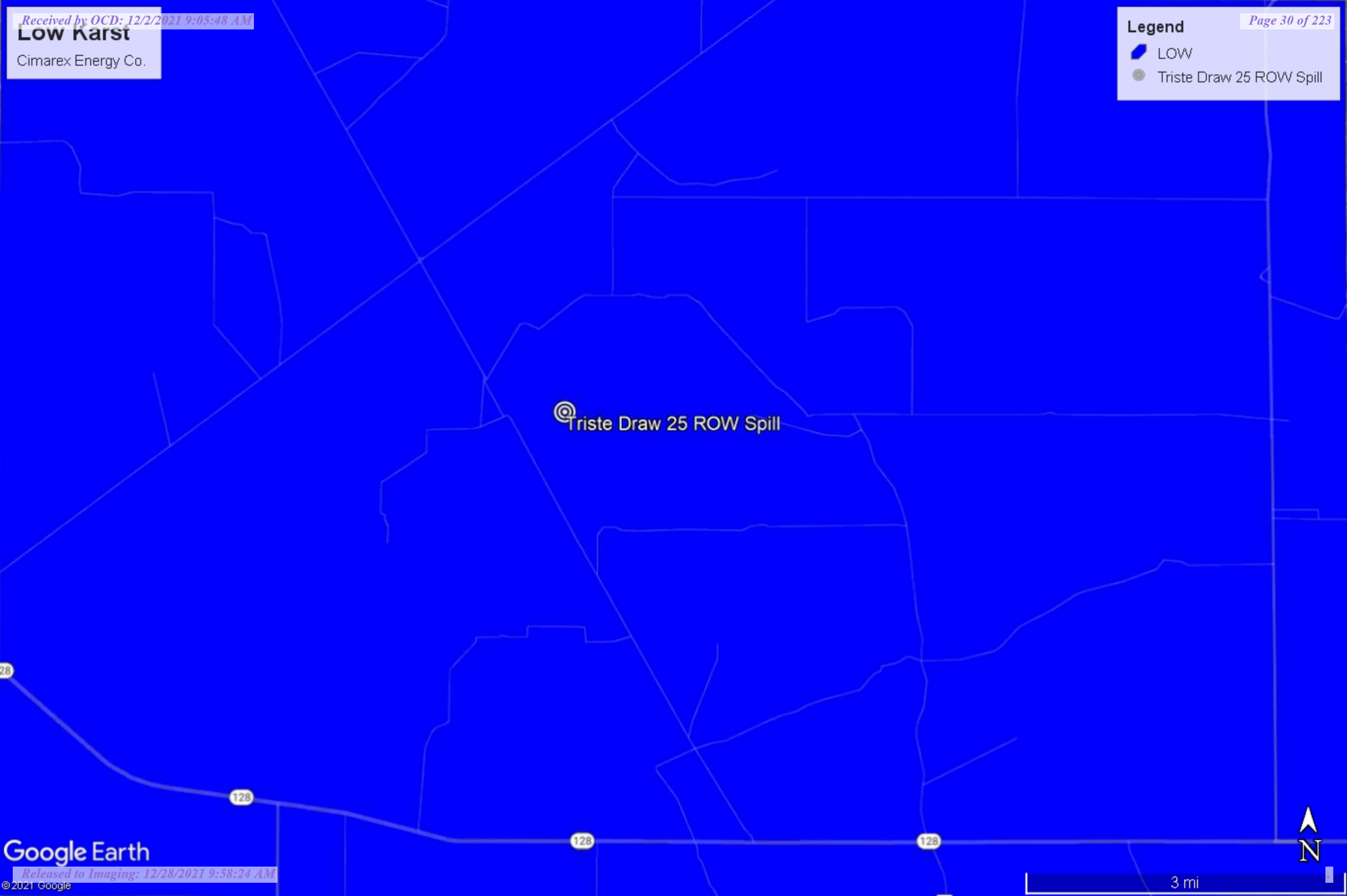
Check for presence of groundwater on 11/01/2021

Low Karst

Cimarex Energy Co.

Legend

-  LOW
-  Triste Draw 25 ROW Spill





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02216	CUB	LE		2	2	4	21	23S	32E	625035	3573261*	585	400	185
C 02349	CUB	ED		2	3	03		23S	32E	625678	3578004*	525		
C 03529 POD1	C	LE		2	4	3	29	23S	32E	622651	3571212	550		
C 03851 POD1	CUB	LE		3	3	4	20	23S	32E	622880	3572660	1392	713	679

Average Depth to Water: **556 feet**

Minimum Depth: **400 feet**

Maximum Depth: **713 feet**

Record Count: 4

PLSS Search:

Township: 23S

Range: 32E

*UTM location was derived from PLSS - see Help

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10/6/21 9:00 AM

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WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02279	3	4	3	28	23S	33E	633691	3571173*

Driller License:**Driller Company:****Driller Name:** CORKY DRILLING**Drill Start Date:****Drill Finish Date:**

12/31/1981

Plug Date:**Log File Date:****PCW Rev Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:** 8.63**Depth Well:**

650 feet

Depth Water: 400 feet**Meter Number:**

518

Meter Make:

MASTER METER

Meter Serial Number: 1539461**Meter Multiplier:**

10.0000

Number of Dials:

6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:**Usage Multiplier:****Reading Frequency:**

Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/27/1999	1999	232029	A	ms		0
04/15/1999	1999	236663	A	ms		0.142
07/18/1999	1999	241885	A	ms		0.160
11/28/1999	1999	257551	A	ms		0.481
04/06/2000	2000	272184	A	mb		0.449
08/16/2000	2000	289555	A	mb		0.533
09/15/2000	2000	294385	A	RPT		0.148
01/19/2001	2000	303495	A	RPT		0.280
04/27/2001	2001	308151	A	RPT		0.143
07/16/2001	2001	314676	A	ms		0.200
01/12/2002	2002	323847	A	tg		0.281
04/13/2002	2002	326625	A	RPT		0.085
07/12/2002	2002	331191	A	rm		0.140
01/01/2003	2002	336825	A	RPT		0.173
04/23/2003	2003	339193	A	RPT		0.073
07/11/2003	2003	344715	A	RPT		0.169
10/01/2003	2003	348891	A	ab		0.128
01/08/2004	2003	351326	A	ab		0.075
04/07/2004	2004	353564	A	RPT		0.069
07/15/2004	2004	358043	A	RPT		0.137
10/12/2004	2004	360921	A	RPT		0.088
01/26/2005	2004	363018	A	RPT		0.064
04/15/2005	2005	365922	A	RPT		0.089
08/03/2005	2005	370392	A	RPT		0.137
10/31/2005	2005	372982	A	RPT		0.079

01/31/2006	2005	378437	A	RPT	0.167
04/20/2006	2006	385094	A	RPT	0.204
07/19/2006	2006	393921	A	tw	0.271
11/27/2006	2006	398063	A	RPT	0.127
04/16/2007	2007	402365	A	RPT	0.132
07/13/2007	2007	407275	A	RPT	0.151
11/03/2007	2007	413487	A	RPT	0.191
04/15/2008	2008	420426	A	RPT	0.213
07/11/2008	2008	431523	A	RPT	0.341
01/08/2009	2009	244494	R	RPT Meter Rollover	24.949
05/07/2009	2009	453556	A	RPT	6.416
07/06/2009	2009	466279	A	RPT	0.390
11/12/2009	2009	496638	A	RPT	0.932
05/13/2010	2010	537086	A	RPT	1.241
08/23/2010	2010	555405	A	RPT	0.562
11/09/2010	2010	564293	A	RPT	0.273
02/13/2011	2011	579930	A	RPT	0.480
07/12/2011	2011	613881	A	RPT	1.042
01/10/2012	2012	651709	A	RPT	1.161
04/15/2012	2012	656205	A	RPT	0.138
03/20/2013	2012	725304	A	RPT	2.121
07/18/2013	2013	753824	A	RPT	0.875
07/22/2019	2019	880960	A	RPT	3.902
04/01/2020	2020	978860	A	RPT	3.004

x

****YTD Meter Amounts: Year Amount**

1999	0.783
2000	1.410
2001	0.343
2002	0.679
2003	0.445
2004	0.358
2005	0.472
2006	0.602
2007	0.474
2008	0.554
2009	32.687
2010	2.076
2011	1.522
2012	3.420
2013	0.875
2019	3.902
2020	3.004

x

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02275	3	3	2	19	23S	33E	630843	3573557*

Driller License:**Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1980

Plug Date:**Log File Date:****PCW Rev Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:** 8.63**Depth Well:**

650 feet

Depth Water: 400 feet**Meter Number:**

514

Meter Make:

MASTER METER

Meter Serial Number: 1527874**Meter Multiplier:**

10.0000

Number of Dials:

6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:**Usage Multiplier:****Reading Frequency:**

Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/28/1999	1999	260142	A	ms		0
04/15/1999	1999	294352	A	ms		1.050
07/18/1999	1999	320962	A	ms		0.817
11/28/1999	1999	367317	A	ms		1.423
04/06/2000	2000	413837	A	mb		1.428
08/16/2000	2000	474649	A	mb		1.866
09/15/2000	2000	485983	A	RPT		0.348
01/19/2001	2000	530107	A	RPT		1.354
04/27/2001	2001	569967	A	RPT		1.223
07/16/2001	2001	620178	A	ms		1.541
01/12/2002	2002	652573	A	tg		0.994
04/13/2002	2002	662745	A	RPT		0.312
07/12/2002	2002	674878	A	rm		0.372
01/01/2003	2002	714899	A	ms		1.228
07/11/2003	2003	751760	A	ms		1.131
10/01/2003	2003	778772	A	ab		0.829
01/08/2004	2003	802123	A	ab		0.717
04/07/2004	2004	821801	A	RPT		0.604
07/15/2004	2004	836507	A	RPT		0.451
10/12/2004	2004	844068	A	RPT		0.232
01/26/2005	2004	877058	A	RPT		1.012
04/15/2005	2005	889933	A	RPT		0.395
08/03/2005	2005	891339	A	RPT		0.043
10/31/2005	2005	927761	A	RPT		1.118
01/31/2006	2005	941723	A	RPT		0.428

04/20/2006	2006	966263	A	RPT	0.753
07/19/2006	2006	9421	R	tw Meter Rollover	1.324
11/27/2006	2006	90114	A	RPT	2.476
04/16/2007	2007	124935	A	tw	1.069
07/13/2007	2007	148838	A	tw	0.734
11/03/2007	2007	189325	A	RPT	1.243
04/15/2008	2008	230341	A	RPT	1.259
07/11/2008	2008	273176	A	RPT	1.315
01/08/2009	2008	375616	A	RPT	3.144
05/07/2009	2009	432782	A	RPT	1.754
07/06/2009	2009	465558	A	RPT	1.006
11/02/2009	2009	537994	A	tw	2.223
05/13/2010	2010	592265	A	RPT	1.666
08/23/2010	2010	598613	A	RPT	0.195
11/09/2010	2010	598791	A	RPT	0.005
02/13/2011	2011	599215	A	RPT	0.013
07/12/2011	2011	607344	A	RPT	0.249
01/10/2012	2012	608458	A	RPT	0.034
04/15/2012	2012	608566	A	RPT	0.003
03/20/2013	2012	608566	A	RPT	0
07/18/2013	2013	608566	A	RPT	0
07/22/2019	2019	896990	A	RPT	8.851
04/01/2020	2020	120850	R	RPT Meter Rollover	6.870

x

**YTD Meter Amounts:	Year	Amount
	1999	3.290
	2000	4.996
	2001	2.764
	2002	2.906
	2003	2.677
	2004	2.299
	2005	1.984
	2006	4.553
	2007	3.046
	2008	5.718
	2009	4.983
	2010	1.866
	2011	0.262
	2012	0.037
	2013	0
	2019	8.851
	2020	6.870

x

*UTM location was derived from PLSS - see Help

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10/6/21 9:13 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02277	2	3	4	20	23S	33E	632663	3572970*

Driller License:

Driller Company:

Driller Name: ABBOTT BROTHERS

Drill Start Date:

Drill Finish Date:

12/31/1974

Plug Date:

Log File Date:

PCW Rev Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 30 GPM

Casing Size: 8.63

Depth Well:

550 feet

Depth Water: 400 feet

Meter Number:

516

Meter Make:

MASTER METER

Meter Serial Number: 1527870

Meter Multiplier:

10.0000

Number of Dials: 6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:

Usage Multiplier:

Reading Frequency:

Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/27/1999	1999	9375	A	ms		0
04/15/1999	1999	9375	A	ms		0
07/18/1999	1999	9375	A	ms		0
11/28/1999	1999	32883	A	ms		0.721
04/06/2000	2000	68700	A	mb		1.099
08/16/2000	2000	68722	A	mb		0.001
09/15/2000	2000	68723	A	RPT		0
01/19/2001	2000	68723	A	RPT		0
04/27/2001	2001	68723	A	RPT		0
07/16/2001	2001	68723	A	ms		0
01/12/2002	2002	68723	A	tg		0
04/13/2002	2002	68723	A	RPT		0
07/12/2002	2002	68723	A	rm		0
01/01/2003	2002	68723	A	RPT		0
04/23/2003	2003	882399	A	RPT		24.971
07/11/2003	2003	882711	A	RPT		0.010
10/01/2003	2003	888716	A	ab		0.184
01/08/2004	2003	896550	A	ab		0.240
04/07/2004	2004	896565	A	RPT		0
07/15/2004	2004	899394	A	RPT		0.087
10/12/2004	2004	899404	A	RPT		0
01/26/2005	2004	899404	A	RPT		0
04/15/2005	2005	899404	A	RPT		0
08/03/2005	2005	899406	A	RPT		0
10/31/2005	2005	899406	A	RPT		0

01/31/2006	2005	899406	A	RPT	0
04/20/2006	2006	899406	A	RPT	0
07/19/2006	2006	909832	A	tw	0.320
11/27/2006	2006	909832	A	RPT	0
04/16/2007	2007	909832	A	RPT	0
07/13/2007	2007	909832	A	RPT	0
11/03/2007	2007	909832	A	RPT	0
04/15/2008	2008	909832	A	RPT	0
07/11/2008	2008	909832	A	RPT	0
01/08/2009	2008	909832	A	RPT	0
05/07/2009	2009	909832	A	RPT	0
07/06/2009	2009	913539	A	RPT	0.114
11/12/2009	2009	945793	A	tw	0.990
05/13/2010	2010	951283	A	RPT	0.168
08/23/2010	2010	951283	A	RPT	0
11/09/2010	2010	951283	A	RPT	0
02/13/2011	2011	951283	A	RPT	0
07/12/2011	2011	86397	R	RPT Meter Rollover	4.146
01/10/2012	2012	254337	A	RPT	5.154
04/15/2012	2012	328978	A	RPT	2.291
03/20/2013	2012	544463	A	RPT	6.613
07/18/2013	2013	557631	A	RPT	0.404
07/22/2019	2019	803867	A	RPT	7.557
04/01/2020	2020	150762	R	RPT Meter Rollover	10.646

x

****YTD Meter Amounts: Year Amount**

1999	0.721
2000	1.100
2001	0
2002	0
2003	25.405
2004	0.087
2005	0
2006	0.320
2007	0
2008	0
2009	1.104
2010	0.168
2011	4.146
2012	14.058
2013	0.404
2019	7.557
2020	10.646

x

*UTM location was derived from PLSS - see Help

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10/6/21 9:16 AM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	02276	3	1	4	19	23S	33E	630848	3573154*

Driller License:**Driller Company:****Driller Name:** ABBOTT BROTHERS**Drill Start Date:****Drill Finish Date:**

12/31/1957

Plug Date:**Log File Date:****PCW Rev Date:****Source:**

Shallow

Pump Type:**Pipe Discharge Size:****Estimated Yield:** 40 GPM**Casing Size:** 8.63**Depth Well:**

650 feet

Depth Water: 400 feet**Meter Number:**

515

Meter Make:

MASTER METER

Meter Serial Number: 152782**Meter Multiplier:**

10.0000

Number of Dials:

6

Meter Type:

Diversion

Unit of Measure:

Gallons

Return Flow Percent:**Usage Multiplier:****Reading Frequency:**

Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/27/1999	1999	838142	A	ms		0
04/15/1999	1999	849194	A	ms		0.339
07/18/1999	1999	852511	A	ms		0.102
11/28/1999	1999	880506	A	ms		0.859
04/06/2000	2000	880525	A	mb		0.001
08/16/2000	2000	0	A	mb		0
08/16/2000	2000	3713	A	mb		0.114
09/15/2000	2000	34387	A	RPT		0.941
01/19/2001	2000	147434	A	RPT		3.469
04/27/2001	2001	250085	A	RPT		3.150
07/16/2001	2001	328518	A	ms		2.407
01/12/2002	2002	389056	A	tg		1.858
04/13/2002	2002	408878	A	RPT		0.608
07/12/2002	2002	440120	A	rm		0.959
01/01/2003	2002	505416	A	ms		2.004
04/28/2003	2003	536552	A	ms		0.956
07/11/2003	2003	693927	A	RPT		4.830
10/16/2003	2003	693927	A	ab		0
01/08/2004	2003	693927	A	ab		0
04/07/2004	2004	695806	A	RPT		0.058
07/15/2004	2004	723969	A	RPT		0.864
10/12/2004	2004	739108	A	RPT		0.465
01/26/2005	2004	788665	A	RPT		1.521
04/15/2005	2005	814297	A	RPT		0.787
08/03/2005	2005	846601	A	RPT		0.991

10/31/2005	2005	856320	A	RPT	0.298
01/31/2006	2005	866374	A	RPT	0.309
04/20/2006	2006	874208	A	RPT	0.240
07/19/2006	2006	889314	A	tw	0.464
11/27/2006	2006	917719	A	RPT	0.872
04/16/2007	2007	929550	A	RPT	0.363
07/13/2007	2007	936082	A	RPT	0.200
11/03/2007	2007	942871	A	RPT	0.208
04/15/2008	2008	944140	A	RPT	0.039
07/11/2008	2008	944909	A	RPT	0.024
01/08/2009	2008	964144	A	RPT	0.590
05/07/2009	2009	976275	A	RPT	0.372
07/06/2009	2009	984911	A	RPT	0.265
11/12/2009	2009	106368	R	tw Meter Rollover	3.727
05/13/2010	2010	257600	A	RPT	4.641
08/23/2010	2010	315189	A	RPT	1.767
11/09/2010	2010	317933	A	RPT	0.084
02/13/2011	2011	373250	A	RPT	1.698
07/12/2011	2011	468021	A	RPT	2.908
01/10/2012	2012	570894	A	RPT	3.157
04/15/2012	2012	671162	A	RPT	3.077
03/20/2013	2012	783611	A	RPT	3.451
07/18/2013	2013	842234	A	RPT	1.799
07/22/2019	2019	977178	A	RPT	4.141
04/01/2020	2020	977178	A	RPT	0

x

**YTD Meter Amounts:	Year	Amount
	1999	1.300
	2000	4.525
	2001	5.557
	2002	5.429
	2003	5.786
	2004	2.908
	2005	2.385
	2006	1.576
	2007	0.771
	2008	0.653
	2009	4.364
	2010	6.492
	2011	4.606
	2012	9.685
	2013	1.799
	2019	4.141
	2020	0

x

*UTM location was derived from PLSS - see Help

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10/6/21 9:15 AM

POINT OF DIVERSION SUMMARY



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321555103381501

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321555103381501 23S.32E.35.224111

Lea County, New Mexico
Latitude 32°15'59.0", Longitude 103°38'17.6" NAD83
Land-surface elevation 3,678.00 feet above NGVD29
The depth of the well is 700 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1976-12-08			D 62610		3190.61	NGVD29	3		Z	
1976-12-08			D 62611		3192.34	NAVD88	3		Z	
1976-12-08			D 72019	487.39			3		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	3	True value is above reported value due to local conditions

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=321555103381501&agency_cd=USGS&format=html)

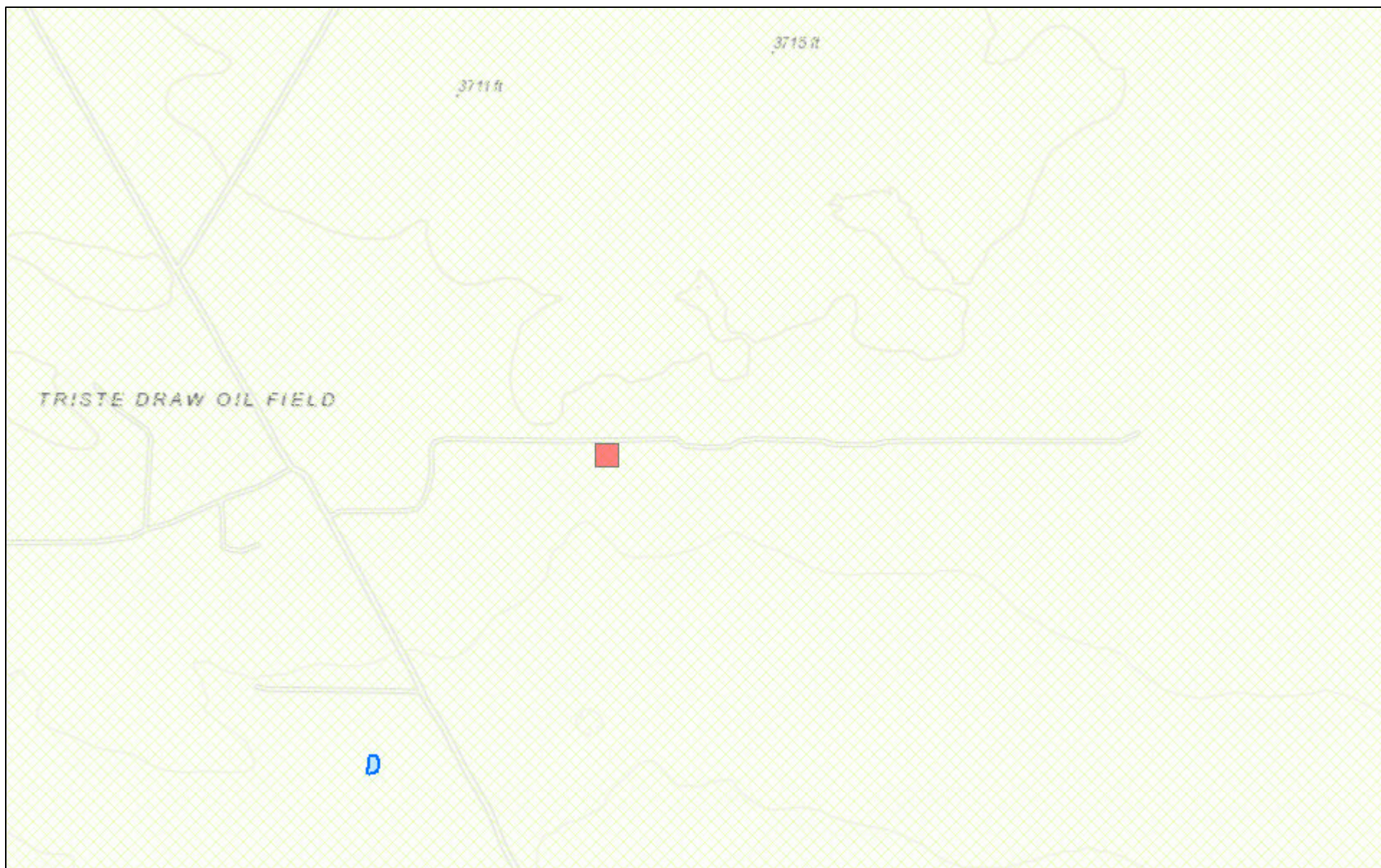
Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2021-10-06 11:11:24 EDT

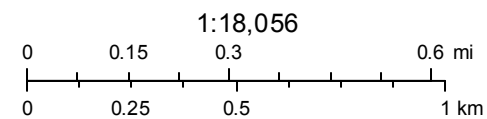
0.32 0.29 nadww01



New Mexico NFHL Data



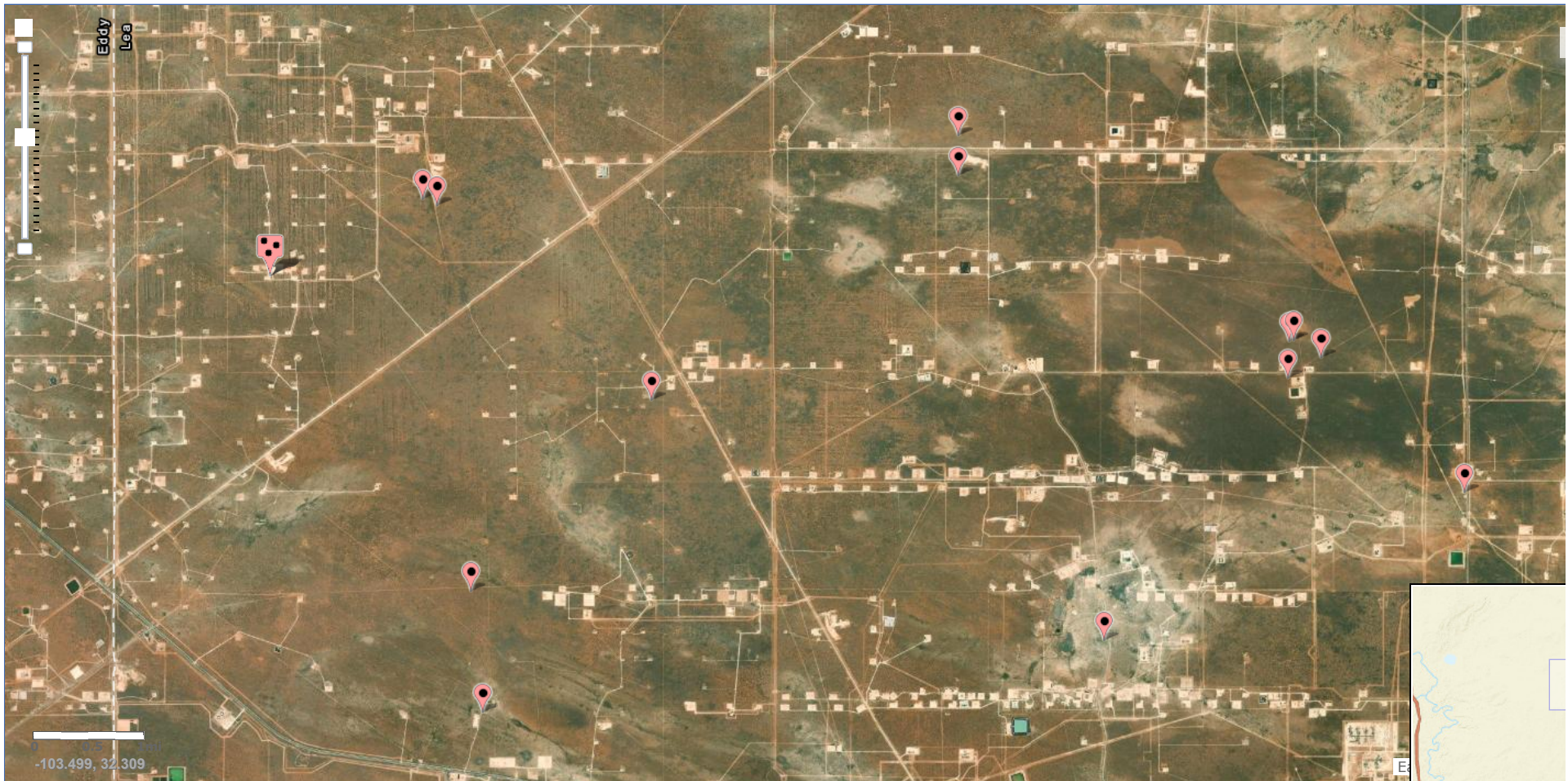
October 6, 2021



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



National Water Information System: Mapper



Site Information



Appendix C

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mike Carmona
NTG Environmental
701 Tradewinds BLVD
Midland, TX 79706

Project: Tristie Draw 25 ROW Spill

Project Number: 214707

Location: Lea County, NM

Lab Order Number: 1124011



Current Certification

Report Date: 10/06/21

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 @ 0'-1'	1I24011-01	Soil	09/23/21 00:00	09-24-2021 13:20
S-1 @ 1'-1.5'	1I24011-02	Soil	09/23/21 00:00	09-24-2021 13:20
S-1 @ 2'-2.5'	1I24011-03	Soil	09/23/21 00:00	09-24-2021 13:20
S-1 @ 3'-3.5'	1I24011-04	Soil	09/23/21 00:00	09-24-2021 13:20
S-1 @ 4'-4.5'	1I24011-05	Soil	09/23/21 00:00	09-24-2021 13:20
S-2 @ 0'-1'	1I24011-06	Soil	09/23/21 00:00	09-24-2021 13:20
S-2 @ 1'-1.5'	1I24011-07	Soil	09/23/21 00:00	09-24-2021 13:20
S-2 @ 2'-2.5'	1I24011-08	Soil	09/23/21 00:00	09-24-2021 13:20
S-2 @ 3'-3.5'	1I24011-09	Soil	09/23/21 00:00	09-24-2021 13:20
S-2 @ 4'-4.5'	1I24011-10	Soil	09/23/21 00:00	09-24-2021 13:20
S-3 @ 0'-1'	1I24011-11	Soil	09/23/21 00:00	09-24-2021 13:20
S-3 @ 1'-1.5'	1I24011-12	Soil	09/23/21 00:00	09-24-2021 13:20
S-3 @ 2'-2.5'	1I24011-13	Soil	09/23/21 00:00	09-24-2021 13:20
S-3 @ 3'-3.5'	1I24011-14	Soil	09/23/21 00:00	09-24-2021 13:20
S-3 @ 4'-4.5'	1I24011-15	Soil	09/23/21 00:00	09-24-2021 13:20
S-4 @ 0'-1'	1I24011-16	Soil	09/23/21 00:00	09-24-2021 13:20
S-4 @ 1'-1.5'	1I24011-17	Soil	09/23/21 00:00	09-24-2021 13:20
S-4 @ 2'-2.5'	1I24011-18	Soil	09/23/21 00:00	09-24-2021 13:20
S-4 @ 3'-3.5'	1I24011-19	Soil	09/23/21 00:00	09-24-2021 13:20
S-4 @ 4'-4.5'	1I24011-20	Soil	09/23/21 00:00	09-24-2021 13:20
H-1 @ 0"-6"	1I24011-21	Soil	09/23/21 00:00	09-24-2021 13:20
H-2 @ 0"-6"	1I24011-22	Soil	09/23/21 00:00	09-24-2021 13:20
H-3 @ 0"-6"	1I24011-23	Soil	09/23/21 00:00	09-24-2021 13:20
H-4 @ 0"-6"	1I24011-24	Soil	09/23/21 00:00	09-24-2021 13:20
H-5 @ 0"-6"	1I24011-25	Soil	09/23/21 00:00	09-24-2021 13:20
H-6 @ 0"-6"	1I24011-26	Soil	09/23/21 00:00	09-24-2021 13:20
H-7 @ 0"-6"	1I24011-27	Soil	09/23/21 00:00	09-24-2021 13:20
H-8 @ 0"-6"	1I24011-28	Soil	09/23/21 00:00	09-24-2021 13:20

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 0'-1'
1124011-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	95.4 %		80-120		P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	108 %		80-120		P112605	09/26/21 16:19	09/27/21 13:14	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	87.4	1.00	mg/kg dry	1	P1J0406	10/04/21 10:00	10/04/21 17:34	EPA 300.0	
% Moisture	ND	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	125	mg/kg dry	5	P113005	09/30/21 10:00	10/01/21 10:16	TPH 8015M	
>C12-C28	6380	125	mg/kg dry	5	P113005	09/30/21 10:00	10/01/21 10:16	TPH 8015M	
>C28-C35	1460	125	mg/kg dry	5	P113005	09/30/21 10:00	10/01/21 10:16	TPH 8015M	
Surrogate: 1-Chlorooctane	99.0 %		70-130		P113005	09/30/21 10:00	10/01/21 10:16	TPH 8015M	
Surrogate: o-Terphenyl	115 %		70-130		P113005	09/30/21 10:00	10/01/21 10:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	7850	125	mg/kg dry	5	[CALC]	09/30/21 10:00	10/01/21 10:16	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 1'-1.5'**1124011-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.6 %		80-120		P112605	09/26/21 16:19	09/27/21 13:35	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	692	1.03	mg/kg dry	1	P1J0406	10/04/21 10:00	10/04/21 18:20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 10:38	TPH 8015M	
>C12-C28	104	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 10:38	TPH 8015M	
>C28-C35	35.0	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 10:38	TPH 8015M	
Surrogate: 1-Chlorooctane	100 %		70-130		P1I3005	09/30/21 10:00	10/01/21 10:38	TPH 8015M	
Surrogate: o-Terphenyl	109 %		70-130		P1I3005	09/30/21 10:00	10/01/21 10:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	139	25.8	mg/kg dry	1	[CALC]	09/30/21 10:00	10/01/21 10:38	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 2'-2.5'**1124011-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00108	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112605	09/26/21 16:19	09/27/21 13:56	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5650	26.9	mg/kg dry	25	P1J0406	10/04/21 10:00	10/04/21 18:35	EPA 300.0	
% Moisture	7.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 20:29	TPH 8015M	
>C12-C28	41.3	26.9	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 20:29	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 20:29	TPH 8015M	
Surrogate: 1-Chlorooctane	97.8 %		70-130		P113005	09/30/21 10:00	09/30/21 20:29	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P113005	09/30/21 10:00	09/30/21 20:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	41.3	26.9	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 20:29	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 3'-3.5'**1124011-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00105	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112605	09/26/21 16:19	09/27/21 14:59	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4670	26.3	mg/kg dry	25	P1J0406	10/04/21 10:00	10/04/21 18:50	EPA 300.0	
% Moisture	5.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 20:51	TPH 8015M	
>C12-C28	30.2	26.3	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 20:51	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 20:51	TPH 8015M	
Surrogate: 1-Chlorooctane	99.1 %		70-130		P113005	09/30/21 10:00	09/30/21 20:51	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P113005	09/30/21 10:00	09/30/21 20:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.2	26.3	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 20:51	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 4'-4.5'**1124011-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00104	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P112605	09/26/21 16:19	09/27/21 15:20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4110	26.0	mg/kg dry	25	P1J0406	10/04/21 10:00	10/04/21 19:06	EPA 300.0	
% Moisture	4.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 21:13	TPH 8015M	
>C12-C28	53.1	26.0	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 21:13	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 21:13	TPH 8015M	
Surrogate: 1-Chlorooctane	98.4 %		70-130		P113005	09/30/21 10:00	09/30/21 21:13	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P113005	09/30/21 10:00	09/30/21 21:13	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	53.1	26.0	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 21:13	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 0'-1'**1124011-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P112605	09/26/21 16:19	09/27/21 15:41	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	16500	25.0	mg/kg dry	25	P1J0406	10/04/21 10:00	10/04/21 19:21	EPA 300.0	
% Moisture	ND	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 21:36	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 21:36	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 21:36	TPH 8015M	
Surrogate: 1-Chlorooctane	96.2 %		70-130		P113005	09/30/21 10:00	09/30/21 21:36	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P113005	09/30/21 10:00	09/30/21 21:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 21:36	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 1'-1.5'**1124011-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P112605	09/26/21 16:19	09/27/21 16:03	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	513	1.02	mg/kg dry	1	P1J0406	10/04/21 10:00	10/04/21 19:36	EPA 300.0	
% Moisture	2.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 22:44	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 22:44	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 22:44	TPH 8015M	
Surrogate: 1-Chlorooctane	97.8 %		70-130		P113005	09/30/21 10:00	09/30/21 22:44	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P113005	09/30/21 10:00	09/30/21 22:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 22:44	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 2'-2.5'**1124011-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 16:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1030	5.10	mg/kg dry	5	P1J0406	10/04/21 10:00	10/04/21 19:52	EPA 300.0	
% Moisture	2.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:06	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:06	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:06	TPH 8015M	
Surrogate: 1-Chlorooctane	99.7 %		70-130		P113005	09/30/21 10:00	09/30/21 23:06	TPH 8015M	
Surrogate: o-Terphenyl	109 %		70-130		P113005	09/30/21 10:00	09/30/21 23:06	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 23:06	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 3'-3.5'**1124011-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P112605	09/26/21 16:19	09/27/21 16:45	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1130	5.10	mg/kg dry	5	P1J0406	10/04/21 10:00	10/04/21 20:07	EPA 300.0	
% Moisture	2.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:28	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:28	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:28	TPH 8015M	
Surrogate: 1-Chlorooctane	98.7 %		70-130		P113005	09/30/21 10:00	09/30/21 23:28	TPH 8015M	
Surrogate: o-Terphenyl	106 %		70-130		P113005	09/30/21 10:00	09/30/21 23:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 23:28	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 4'-4.5'**1124011-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P112605	09/26/21 16:19	09/27/21 17:06	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1020	5.15	mg/kg dry	5	P1J0406	10/04/21 10:00	10/04/21 20:22	EPA 300.0	
% Moisture	3.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:51	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:51	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P113005	09/30/21 10:00	09/30/21 23:51	TPH 8015M	
Surrogate: 1-Chlorooctane	102 %		70-130		P113005	09/30/21 10:00	09/30/21 23:51	TPH 8015M	
Surrogate: o-Terphenyl	109 %		70-130		P113005	09/30/21 10:00	09/30/21 23:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/30/21 10:00	09/30/21 23:51	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-3 @ 0'-1'
1124011-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.7 %		80-120		P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112605	09/26/21 16:19	09/27/21 17:28	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	175	1.01	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 21:54	EPA 300.0	
% Moisture	1.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:14	TPH 8015M	
>C12-C28	5030	25.3	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:14	TPH 8015M	
>C28-C35	790	25.3	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:14	TPH 8015M	
Surrogate: 1-Chlorooctane	104 %		70-130		P113005	09/30/21 10:00	10/01/21 00:14	TPH 8015M	
Surrogate: o-Terphenyl	111 %		70-130		P113005	09/30/21 10:00	10/01/21 00:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	5820	25.3	mg/kg dry	1	[CALC]	09/30/21 10:00	10/01/21 00:14	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-3 @ 1'-1.5'**1124011-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 17:49	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	715	1.02	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 22:40	EPA 300.0	
% Moisture	2.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:36	TPH 8015M	
>C12-C28	74.6	25.5	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:36	TPH 8015M	
>C28-C35	29.3	25.5	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:36	TPH 8015M	
Surrogate: 1-Chlorooctane	98.6 %		70-130		P113005	09/30/21 10:00	10/01/21 00:36	TPH 8015M	
Surrogate: o-Terphenyl	108 %		70-130		P113005	09/30/21 10:00	10/01/21 00:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	104	25.5	mg/kg dry	1	[CALC]	09/30/21 10:00	10/01/21 00:36	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-3 @ 2'-2.5'**1124011-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P112605	09/26/21 16:19	09/27/21 18:10	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	141	1.03	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 22:56	EPA 300.0	
% Moisture	3.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:59	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:59	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P113005	09/30/21 10:00	10/01/21 00:59	TPH 8015M	
Surrogate: 1-Chlorooctane	97.1 %		70-130		P113005	09/30/21 10:00	10/01/21 00:59	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P113005	09/30/21 10:00	10/01/21 00:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/30/21 10:00	10/01/21 00:59	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-3 @ 3'-3.5'**1124011-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 19:10	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	166	1.03	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 23:11	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 01:21	TPH 8015M	
>C12-C28	43.9	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 01:21	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 01:21	TPH 8015M	
Surrogate: 1-Chlorooctane	98.2 %		70-130		P1I3005	09/30/21 10:00	10/01/21 01:21	TPH 8015M	
Surrogate: o-Terphenyl	106 %		70-130		P1I3005	09/30/21 10:00	10/01/21 01:21	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	43.9	25.8	mg/kg dry	1	[CALC]	09/30/21 10:00	10/01/21 01:21	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-3 @ 4'-4.5'**1124011-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112804	09/28/21 15:50	09/28/21 19:31	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	507	1.03	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 23:26	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 01:44	TPH 8015M	
>C12-C28	33.1	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 01:44	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1I3005	09/30/21 10:00	10/01/21 01:44	TPH 8015M	
Surrogate: 1-Chlorooctane	97.6 %		70-130		P1I3005	09/30/21 10:00	10/01/21 01:44	TPH 8015M	
Surrogate: o-Terphenyl	105 %		70-130		P1I3005	09/30/21 10:00	10/01/21 01:44	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	33.1	25.8	mg/kg dry	1	[CALC]	09/30/21 10:00	10/01/21 01:44	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 0'-1'
1124011-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112804	09/28/21 15:50	09/28/21 19:52	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	85.4	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 23:41	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 11:23	TPH 8015M	
>C12-C28	199	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 11:23	TPH 8015M	
>C28-C35	32.7	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 11:23	TPH 8015M	
Surrogate: 1-Chlorooctane	86.4 %		70-130		P1I3006	09/30/21 11:00	10/02/21 11:23	TPH 8015M	
Surrogate: o-Terphenyl	94.8 %		70-130		P1I3006	09/30/21 11:00	10/02/21 11:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	232	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 11:23	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 1'-1.5'
1124011-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 20:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	372	1.02	mg/kg dry	1	P1J0407	10/04/21 11:00	10/04/21 23:57	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 11:46	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 11:46	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 11:46	TPH 8015M	
Surrogate: 1-Chlorooctane	83.1 %		70-130		P1I3006	09/30/21 11:00	10/02/21 11:46	TPH 8015M	
Surrogate: o-Terphenyl	92.6 %		70-130		P1I3006	09/30/21 11:00	10/02/21 11:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 11:46	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 2'-2.5'**1124011-18 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112804	09/28/21 15:50	09/28/21 20:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1130	5.10	mg/kg dry	5	P1J0407	10/04/21 11:00	10/05/21 00:12	EPA 300.0	
% Moisture	2.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 12:08	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 12:08	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 12:08	TPH 8015M	
Surrogate: 1-Chlorooctane	82.0 %		70-130		P113006	09/30/21 11:00	10/02/21 12:08	TPH 8015M	
Surrogate: o-Terphenyl	91.7 %		70-130		P113006	09/30/21 11:00	10/02/21 12:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 12:08	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 3'-3.5'**1124011-19 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P112804	09/28/21 15:50	09/28/21 20:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1240	5.10	mg/kg dry	5	P1J0407	10/04/21 11:00	10/05/21 00:27	EPA 300.0	
% Moisture	2.0	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 12:31	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 12:31	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 12:31	TPH 8015M	
Surrogate: 1-Chlorooctane	83.0 %		70-130		P1I3006	09/30/21 11:00	10/02/21 12:31	TPH 8015M	
Surrogate: o-Terphenyl	92.5 %		70-130		P1I3006	09/30/21 11:00	10/02/21 12:31	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 12:31	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 4'-4.5'**1124011-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**BTEX by 8021B**

Benzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 21:16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1100	5.10	mg/kg dry	5	P1J0407	10/04/21 11:00	10/05/21 00:42	EPA 300.0	
% Moisture	2.0	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 12:53	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 12:53	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 12:53	TPH 8015M	
Surrogate: 1-Chlorooctane	83.4 %		70-130		P113006	09/30/21 11:00	10/02/21 12:53	TPH 8015M	
Surrogate: o-Terphenyl	93.2 %		70-130		P113006	09/30/21 11:00	10/02/21 12:53	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 12:53	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-1 @ 0''-6''
1124011-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P112804	09/28/21 15:50	09/28/21 21:37	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.04	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 01:28	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 13:16	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 13:16	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 13:16	TPH 8015M	
Surrogate: 1-Chlorooctane	79.4 %		70-130		P1I3006	09/30/21 11:00	10/02/21 13:16	TPH 8015M	
Surrogate: o-Terphenyl	91.3 %		70-130		P1I3006	09/30/21 11:00	10/02/21 13:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 13:16	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-2 @ 0"-6"
1124011-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 21:58	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.76	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 02:14	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 13:38	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 13:38	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 13:38	TPH 8015M	
Surrogate: 1-Chlorooctane	77.2 %		70-130		P1I3006	09/30/21 11:00	10/02/21 13:38	TPH 8015M	
Surrogate: o-Terphenyl	87.2 %		70-130		P1I3006	09/30/21 11:00	10/02/21 13:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 13:38	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-3 @ 0"-6"
1124011-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 23:01	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 02:29	EPA 300.0	
% Moisture	ND	0.1	%	1	P112601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 14:01	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 14:01	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P113006	09/30/21 11:00	10/02/21 14:01	TPH 8015M	
Surrogate: 1-Chlorooctane	75.3 %		70-130		P113006	09/30/21 11:00	10/02/21 14:01	TPH 8015M	
Surrogate: o-Terphenyl	86.1 %		70-130		P113006	09/30/21 11:00	10/02/21 14:01	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 14:01	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-4 @ 0"-6"
1124011-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	106 %		80-120		P112804	09/28/21 15:50	09/28/21 23:22	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.35	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 02:45	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 14:24	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 14:24	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 14:24	TPH 8015M	
Surrogate: 1-Chlorooctane	77.1 %		70-130		P1I3006	09/30/21 11:00	10/02/21 14:24	TPH 8015M	
Surrogate: o-Terphenyl	86.0 %		70-130		P1I3006	09/30/21 11:00	10/02/21 14:24	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 14:24	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-5 @ 0"-6"
1124011-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	110 %		80-120		P112804	09/28/21 15:50	09/28/21 23:44	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	21.9	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 03:00	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 14:46	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 14:46	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 14:46	TPH 8015M	
Surrogate: 1-Chlorooctane	75.8 %		70-130		P1I3006	09/30/21 11:00	10/02/21 14:46	TPH 8015M	
Surrogate: o-Terphenyl	82.5 %		70-130		P1I3006	09/30/21 11:00	10/02/21 14:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 14:46	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-6 @ 0"-6"
1124011-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P112804	09/28/21 15:50	09/29/21 00:05	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.22	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 03:15	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 15:54	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 15:54	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 15:54	TPH 8015M	
Surrogate: 1-Chlorooctane	78.5 %		70-130		P1I3006	09/30/21 11:00	10/02/21 15:54	TPH 8015M	
Surrogate: o-Terphenyl	87.7 %		70-130		P1I3006	09/30/21 11:00	10/02/21 15:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 15:54	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-7 @ 0"-6"
1124011-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112804	09/28/21 15:50	09/29/21 00:26	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.98	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 03:30	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 16:16	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 16:16	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 16:16	TPH 8015M	
Surrogate: 1-Chlorooctane	77.6 %		70-130		P1I3006	09/30/21 11:00	10/02/21 16:16	TPH 8015M	
Surrogate: o-Terphenyl	85.0 %		70-130		P1I3006	09/30/21 11:00	10/02/21 16:16	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 16:16	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

H-8 @ 0"-6"
1124011-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	111 %		80-120		P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P112804	09/28/21 15:50	09/29/21 00:47	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.71	1.00	mg/kg dry	1	P1J0407	10/04/21 11:00	10/05/21 03:46	EPA 300.0	
% Moisture	ND	0.1	%	1	P1I2601	09/26/21 11:11	09/26/21 11:14	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 16:38	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 16:38	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1I3006	09/30/21 11:00	10/02/21 16:38	TPH 8015M	
Surrogate: 1-Chlorooctane	83.5 %		70-130		P1I3006	09/30/21 11:00	10/02/21 16:38	TPH 8015M	
Surrogate: o-Terphenyl	91.2 %		70-130		P1I3006	09/30/21 11:00	10/02/21 16:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/30/21 11:00	10/02/21 16:38	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P112605 - * DEFAULT PREP *****

Blank (P112605-BLK1)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			

LCS (P112605-BS1)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.0914	0.00100	mg/kg wet	0.100		91.4	70-130			
Toluene	0.0898	0.00100	"	0.100		89.8	70-130			
Ethylbenzene	0.0852	0.00100	"	0.100		85.2	70-130			
Xylene (p/m)	0.176	0.00200	"	0.200		87.8	70-130			
Xylene (o)	0.0940	0.00100	"	0.100		94.0	70-130			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.5	80-120			

LCS Dup (P112605-BS1)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.0922	0.00100	mg/kg wet	0.100		92.2	70-130	0.850	20	
Toluene	0.0911	0.00100	"	0.100		91.1	70-130	1.48	20	
Ethylbenzene	0.0870	0.00100	"	0.100		87.0	70-130	2.13	20	
Xylene (p/m)	0.178	0.00200	"	0.200		89.1	70-130	1.46	20	
Xylene (o)	0.0948	0.00100	"	0.100		94.8	70-130	0.763	20	
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.5	80-120			

Calibration Blank (P112605-CCB1)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.9	80-120			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P112605 - * DEFAULT PREP *****

Calibration Blank (P112605-CCB2)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	80-120			

Calibration Blank (P112605-CCB3)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	80-120			

Calibration Check (P112605-CCV1)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.0953	0.00100	"	0.100		95.3	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.6	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		98.8	75-125			

Calibration Check (P112605-CCV2)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		102	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.8	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P112605 - * DEFAULT PREP *****

Calibration Check (P112605-CCV3)

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	75-125			

Matrix Spike (P112605-MS1)

Source: 1124011-13

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.0932	0.00103	mg/kg dry	0.103	ND	90.4	80-120			
Toluene	0.0883	0.00103	"	0.103	ND	85.7	80-120			
Ethylbenzene	0.0484	0.00103	"	0.103	ND	46.9	80-120			QM-07
Xylene (p/m)	0.171	0.00206	"	0.206	ND	83.1	80-120			
Xylene (o)	0.0910	0.00103	"	0.103	ND	88.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.124		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.124		96.7	80-120			

Matrix Spike Dup (P112605-MSD1)

Source: 1124011-13

Prepared: 09/26/21 Analyzed: 09/27/21

Benzene	0.0917	0.00103	mg/kg dry	0.103	ND	88.9	80-120	1.62	20	
Toluene	0.0869	0.00103	"	0.103	ND	84.3	80-120	1.66	20	
Ethylbenzene	0.0442	0.00103	"	0.103	ND	42.9	80-120	9.00	20	QM-07
Xylene (p/m)	0.167	0.00206	"	0.206	ND	81.0	80-120	2.60	20	
Xylene (o)	0.0913	0.00103	"	0.103	ND	88.5	80-120	0.305	20	
Surrogate: 1,4-Difluorobenzene	0.123		"	0.124		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.124		98.0	80-120			

Batch P112804 - * DEFAULT PREP *****

Blank (P112804-BLK1)

Prepared & Analyzed: 09/28/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P112804 - * DEFAULT PREP *****

LCS (P112804-BS1)

Prepared & Analyzed: 09/28/21

Benzene	0.0930	0.00100	mg/kg wet	0.100		93.0	70-130			
Toluene	0.0896	0.00100	"	0.100		89.6	70-130			
Ethylbenzene	0.0852	0.00100	"	0.100		85.2	70-130			
Xylene (p/m)	0.171	0.00200	"	0.200		85.5	70-130			
Xylene (o)	0.0864	0.00100	"	0.100		86.4	70-130			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.4	80-120			

LCS Dup (P112804-BSD1)

Prepared & Analyzed: 09/28/21

Benzene	0.0997	0.00100	mg/kg wet	0.100		99.7	70-130	6.96	20	
Toluene	0.0960	0.00100	"	0.100		96.0	70-130	6.99	20	
Ethylbenzene	0.0906	0.00100	"	0.100		90.6	70-130	6.11	20	
Xylene (p/m)	0.180	0.00200	"	0.200		90.1	70-130	5.17	20	
Xylene (o)	0.0923	0.00100	"	0.100		92.3	70-130	6.64	20	
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P112804-CCB1)

Prepared & Analyzed: 09/28/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.420		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		109	80-120			

Calibration Blank (P112804-CCB2)

Prepared & Analyzed: 09/28/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.420		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		109	80-120			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P112804 - * DEFAULT PREP *****

Calibration Blank (P112804-CCB3)

Prepared: 09/28/21 Analyzed: 09/29/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.430		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			

Calibration Check (P112804-CCV1)

Prepared & Analyzed: 09/28/21

Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			

Calibration Check (P112804-CCV2)

Prepared & Analyzed: 09/28/21

Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.1	75-125			

Calibration Check (P112804-CCV3)

Prepared: 09/28/21 Analyzed: 09/29/21

Benzene	0.112	0.00100	mg/kg wet	0.100		112	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		104	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P112804 - * DEFAULT PREP *****

Matrix Spike (P112804-MS1)		Source: 1124011-14		Prepared: 09/28/21		Analyzed: 09/29/21				
Benzene	0.101	0.00103	mg/kg dry	0.103	ND	98.4	80-120			
Toluene	0.0928	0.00103	"	0.103	ND	90.1	80-120			
Ethylbenzene	0.0787	0.00103	"	0.103	ND	76.3	80-120			QM-07
Xylene (p/m)	0.161	0.00206	"	0.206	ND	77.9	80-120			QM-07
Xylene (o)	0.0882	0.00103	"	0.103	ND	85.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.124		95.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.124		101	80-120			

Matrix Spike Dup (P112804-MSD1)		Source: 1124011-14		Prepared: 09/28/21		Analyzed: 09/29/21				
Benzene	0.100	0.00103	mg/kg dry	0.103	ND	97.3	80-120	1.13	20	
Toluene	0.0937	0.00103	"	0.103	ND	90.9	80-120	0.961	20	
Ethylbenzene	0.0817	0.00103	"	0.103	ND	79.2	80-120	3.74	20	QM-07
Xylene (p/m)	0.159	0.00206	"	0.206	ND	77.4	80-120	0.709	20	QM-07
Xylene (o)	0.0893	0.00103	"	0.103	ND	86.6	80-120	1.28	20	
Surrogate: 1,4-Difluorobenzene	0.124		"	0.124		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.124		93.9	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1I2601 - * DEFAULT PREP *****

Blank (P1I2601-BLK1)		Prepared & Analyzed: 09/26/21								
% Moisture	ND	0.1	%							
Blank (P1I2601-BLK2)		Prepared & Analyzed: 09/26/21								
% Moisture	ND	0.1	%							
Duplicate (P1I2601-DUP1)		Source: 1I24009-02		Prepared & Analyzed: 09/26/21						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1I2601-DUP2)		Source: 1I24011-04		Prepared & Analyzed: 09/26/21						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P1I2601-DUP3)		Source: 1I24011-21		Prepared & Analyzed: 09/26/21						
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1I2601-DUP4)		Source: 1I24014-01		Prepared & Analyzed: 09/26/21						
% Moisture	13.0	0.1	%		13.0			0.00	20	

Batch P1J0406 - * DEFAULT PREP *****

LCS (P1J0406-BS1)		Prepared & Analyzed: 10/04/21								
Chloride	408	1.00	mg/kg wet	400		102	90-110			
LCS Dup (P1J0406-BSD1)		Prepared & Analyzed: 10/04/21								
Chloride	403	1.00	mg/kg wet	400		101	90-110	1.26	10	
Calibration Check (P1J0406-CCV1)		Prepared & Analyzed: 10/04/21								
Chloride	19.9		mg/kg	20.0		99.5	90-110			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1J0406 - * DEFAULT PREP *****

Calibration Check (P1J0406-CCV2)

Prepared: 10/04/21 Analyzed: 10/05/21

Chloride	18.1		mg/kg	20.0		90.3	90-110			
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Matrix Spike (P1J0406-MS1)

Source: 1124008-03

Prepared & Analyzed: 10/04/21

Chloride	347	1.09	mg/kg dry	272	106	88.7	80-120			
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Matrix Spike (P1J0406-MS2)

Source: 1124011-01

Prepared & Analyzed: 10/04/21

Chloride	302	1.00	mg/kg dry	250	87.4	85.8	80-120			
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Matrix Spike Dup (P1J0406-MSD1)

Source: 1124008-03

Prepared & Analyzed: 10/04/21

Chloride	320	1.09	mg/kg dry	272	106	78.7	80-120	8.18	20	QM-07
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Matrix Spike Dup (P1J0406-MSD2)

Source: 1124011-01

Prepared & Analyzed: 10/04/21

Chloride	310	1.00	mg/kg dry	250	87.4	88.9	80-120	2.53	20	
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Batch P1J0407 - * DEFAULT PREP *****

Blank (P1J0407-BLK1)

Prepared & Analyzed: 10/04/21

Chloride	ND	1.00	mg/kg wet							
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LCS (P1J0407-BS1)

Prepared & Analyzed: 10/04/21

Chloride	400	1.00	mg/kg wet	400		99.9	90-110			
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LCS Dup (P1J0407-BSD1)

Prepared & Analyzed: 10/04/21

Chloride	402	1.00	mg/kg wet	400		100	90-110	0.514	10	
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Calibration Check (P1J0407-CCV1)

Prepared & Analyzed: 10/04/21

Chloride	19.3		mg/kg	20.0		96.7	90-110			
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1J0407 - *** DEFAULT PREP ***										
Calibration Check (P1J0407-CCV2)				Prepared: 10/04/21 Analyzed: 10/05/21						
Chloride	19.0		mg/kg	20.0		94.9	90-110			
Calibration Check (P1J0407-CCV3)				Prepared: 10/04/21 Analyzed: 10/05/21						
Chloride	19.7		mg/kg	20.0		98.6	90-110			
Matrix Spike (P1J0407-MS1)		Source: 1124011-11		Prepared & Analyzed: 10/04/21						
Chloride	378	1.01	mg/kg dry	253	175	80.5	80-120			
Matrix Spike (P1J0407-MS2)		Source: 1124011-21		Prepared: 10/04/21 Analyzed: 10/05/21						
Chloride	223	1.00	mg/kg dry	250	6.04	86.8	80-120			
Matrix Spike Dup (P1J0407-MSD1)		Source: 1124011-11		Prepared & Analyzed: 10/04/21						
Chloride	390	1.01	mg/kg dry	253	175	85.3	80-120	3.16	20	
Matrix Spike Dup (P1J0407-MSD2)		Source: 1124011-21		Prepared: 10/04/21 Analyzed: 10/05/21						
Chloride	234	1.00	mg/kg dry	250	6.04	91.3	80-120	4.84	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P113005 - TX 1005

Blank (P113005-BLK1)

Prepared & Analyzed: 09/30/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	57.4		"	50.0		115	70-130			

LCS (P113005-BS1)

Prepared & Analyzed: 09/30/21

C6-C12	891	25.0	mg/kg wet	1000		89.1	75-125			
>C12-C28	1080	25.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	61.6		"	50.0		123	70-130			

LCS Dup (P113005-BSD1)

Prepared & Analyzed: 09/30/21

C6-C12	864	25.0	mg/kg wet	1000		86.4	75-125	3.09	20	
>C12-C28	1030	25.0	"	1000		103	75-125	4.62	20	
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	59.9		"	50.0		120	70-130			

Calibration Check (P113005-CCV1)

Prepared & Analyzed: 09/30/21

C6-C12	445	25.0	mg/kg wet	500		89.1	85-115			
>C12-C28	513	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	55.9		"	50.0		112	70-130			

Calibration Check (P113005-CCV2)

Prepared & Analyzed: 09/30/21

C6-C12	432	25.0	mg/kg wet	500		86.4	85-115			
>C12-C28	504	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P113005 - TX 1005

Calibration Check (P113005-CCV3)

Prepared: 09/30/21 Analyzed: 10/01/21

C6-C12	427	25.0	mg/kg wet	500		85.4	85-115			
>C12-C28	498	25.0	"	500		99.6	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	54.2		"	50.0		108	70-130			

Matrix Spike (P113005-MS1)

Source: 1124011-15

Prepared: 09/30/21 Analyzed: 10/01/21

C6-C12	916	25.8	mg/kg dry	1030	16.4	87.2	75-125			
>C12-C28	1090	25.8	"	1030	33.1	103	75-125			
Surrogate: 1-Chlorooctane	117		"	103		113	70-130			
Surrogate: o-Terphenyl	61.8		"	51.5		120	70-130			

Matrix Spike Dup (P113005-MSD1)

Source: 1124011-15

Prepared: 09/30/21 Analyzed: 10/01/21

C6-C12	804	25.8	mg/kg dry	1030	16.4	76.4	75-125	13.2	20	
>C12-C28	1000	25.8	"	1030	33.1	93.7	75-125	9.26	20	
Surrogate: 1-Chlorooctane	134		"	103		130	70-130			
Surrogate: o-Terphenyl	56.6		"	51.5		110	70-130			

Batch P113006 - TX 1005

Blank (P113006-BLK1)

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	92.7		"	100		92.7	70-130			
Surrogate: o-Terphenyl	52.2		"	50.0		104	70-130			

LCS (P113006-BS1)

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	950	25.0	mg/kg wet	1000		95.0	75-125			
>C12-C28	1010	25.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	59.3		"	50.0		119	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P113006 - TX 1005

LCS Dup (P113006-BSD1)

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	972	25.0	mg/kg wet	1000		97.2	75-125	2.27	20	
>C12-C28	1040	25.0	"	1000		104	75-125	3.07	20	
Surrogate: 1-Chlorooctane	129		"	100		129	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Calibration Check (P113006-CCV1)

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	502	25.0	mg/kg wet	500		100	85-115			
>C12-C28	532	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			

Calibration Check (P113006-CCV2)

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	526	25.0	mg/kg wet	500		105	85-115			
>C12-C28	536	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	52.9		"	50.0		106	70-130			

Calibration Check (P113006-CCV3)

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	529	25.0	mg/kg wet	500		106	85-115			
>C12-C28	563	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	55.2		"	50.0		110	70-130			

Matrix Spike (P113006-MS1)

Source: 1124014-05

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	949	26.0	mg/kg dry	1040	24.2	88.8	75-125			
>C12-C28	1000	26.0	"	1040	ND	96.1	75-125			
Surrogate: 1-Chlorooctane	125		"	104		120	70-130			
Surrogate: o-Terphenyl	57.6		"	52.1		111	70-130			

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P113006 - TX 1005

Matrix Spike Dup (P113006-MSD1)

Source: 1124014-05

Prepared: 09/30/21 Analyzed: 10/02/21

C6-C12	958	26.0	mg/kg dry	1040	24.2	89.6	75-125	0.952	20	
>C12-C28	1020	26.0	"	1040	ND	97.6	75-125	1.47	20	
Surrogate: 1-Chlorooctane	129		"	104		124	70-130			
Surrogate: o-Terphenyl	60.2		"	52.1		116	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

10/6/2021

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



Chain of Custody

Work Order No: 1124011Page 1 of 3

Project Manager	Mike Carmona	Bill to: (if different)	Laci Luig
Company Name	NTG Environmental	Company Name	Cimarex
Address	701 Tradewinds Blvd	Address	600 N. Marlenfield Street
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Texas 79701
Phone	432.208.3035	Email	luig@cimarex.com

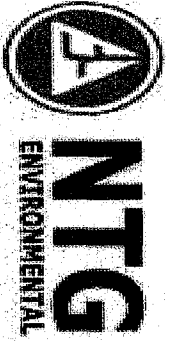
Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name	Triste Draw 25 ROW Spill	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number	214707	Due Date	Standard															None: NO	
Project Location	Lea Co. NM																	DI Water: H ₂ O	
Sample's Name	CCM	TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool	
PO #																		HCL: HC	
SAMPLE RECEIPT	Temp Blank	Yes No	Well Ice	Yes No														H ₂ SO ₄ : H ₂	
	Received Inact	Yes No	Thermometer ID															H ₃ PO ₄ : HP	
	Cooler Custody Seals	Yes No N/A	Correction Factor															NaHSO ₄ : NABIS	
	Sample Custody Seals	Yes No N/A	Temperature Reading															Na ₂ S ₂ O ₃ : NaSO ₃	
	Total Containers	28	Corrected Temperature	4.8														Zn Acetate+NaOH: Zn	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													NaOH+Ascorbic Acid: SAPC
	S-1 (0-1')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-1 (1'-1.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-1 (2'-2.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-1 (3'-3.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-1 (4'-4.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-2 (0-1')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-2 (1'-1.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-2 (2'-2.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
	S-2 (3'-3.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X			
S-2 (4'-4.5')	9/23/2021			Grab	1	X	X	X	X	X	X	X	X	X	X				

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/24/21 13:30			



Chain of Custody

Work Order No: 1I24011

Page 2 of 3

Page 46 of 47

Project Manager	Mike Carmora	Bill to: (if different)	Laci Lung
Company Name	NTG Environmental	Company Name	Cinatrex
Address	701 Tradewinds Blvd	Address	600 N. Martenfield Street
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Texas 79701
Phone	432.208.3035	Email	llung@cinatrex.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Tristie Draw 25 ROW Spill	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes						
Project Number:	214707	Due Date:	Standard														None: NO	DI Water: H ₂ O					
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool	MeOH: Me					
Sample Name:	CCM																HCL: HC	HNO ₃ : HN					
PO #																	H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT				Temp Blank:	Yes	No	Wet Ice:	Yes	No													H ₃ PO ₄ : HP	
Received Intact:	Yes	No	Thermometer ID:	68													NaHSO ₄ : MABIS						
Cooler Custody Seals:	Yes	No	Correction Factor:	41													Na ₂ S ₂ O ₃ : NaSO ₃						
Sample Custody Seals:	Yes	No	Temperature Reading:	9.8													Zn Acetate+NaOH: Zn						
Total Containers:	28	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
S-3 (0-1')	9/23/2021		X		Grab	1	X	X	X														
S-3 (1'-1.5')	9/23/2021		X		Grab	1	X	X	X														
S-3 (2-2.5')	9/23/2021		X		Grab	1	X	X	X														
S-3 (3-3.5')	9/23/2021		X		Grab	1	X	X	X														
S-3 (4-4.5')	9/23/2021		X		Grab	1	X	X	X														
S-4 (0-1')	9/23/2021		X		Grab	1	X	X	X														
S-4 (1'-1.5')	9/23/2021		X		Grab	1	X	X	X														
S-4 (2-2.5')	9/23/2021		X		Grab	1	X	X	X														
S-4 (3-3.5')	9/23/2021		X		Grab	1	X	X	X														
S-4 (4-4.5')	9/23/2021		X		Grab	1	X	X	X														

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		9/24/21 13:26			



Chain of Custody

Work Order No: I24011Page 3 of 3

Page 47 of 47

Project Manager	Mike Camrora	Bill to: (if different)	Laci Lujig
Company Name	NTG Environmental	Company Name	Cinrax
Address	701 Tradewinds Blvd	Address	600 N. Marientfeld Street
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland, Texas 79701
Phone	432.208.3035	Email	llujig@cinrax.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name	Tristie Draw 25 ROW Spill	Turn Around	<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date	Standard	Pres. Code	ANALYSIS REQUEST				Preservative Codes		
Project Number	214707											None: NO	DI Water: H ₂ O
Project Location	Lea Co, NM											Cool: Cool	MeOH: Me
Sampler's Name	CCM											HCL: HC	HNO ₃ : HN
PO #												H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice	Yes No							H ₃ PO ₄ : HP	
Received Intact	Yes No	Thermometer ID										NaHSO ₄ : NABIS	
Cooler Custody Seals	Yes No N/A	Correction Factor										Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals	Yes No N/A	Temperature Reading										Zn Acetate+NaOH: Zn	
Total Containers	28	Corrected Temperature										NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters				Sample Comments		
H-1 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-2 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-3 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-4 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-5 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-6 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-7 (0-6")	9/23/2021		X		Grab	1	X	X	X				
H-8 (0-6")	9/23/2021		X		Grab	1	X	X	X				

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/24/21 13:20			

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mike Carmona
NTG Environmental
701 Tradewinds BLVD
Midland, TX 79706

Project: Tristie Draw 25 ROW Spill

Project Number: 214707

Location: Lea County, NM

Lab Order Number: 1K02003



Current Certification

Report Date: 11/08/21

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1 @ (4')	1K02003-01	Soil	11/01/21 00:00	11-02-2021 11:08
CS-2 @ (4')	1K02003-02	Soil	11/01/21 00:00	11-02-2021 11:08
CS-3 @ (4')	1K02003-03	Soil	11/01/21 00:00	11-02-2021 11:08
CS-4 @ (4')	1K02003-04	Soil	11/01/21 00:00	11-02-2021 11:08
CS-5 @ (4')	1K02003-05	Soil	11/01/21 00:00	11-02-2021 11:08
CS-6 @ (4')	1K02003-06	Soil	11/01/21 00:00	11-02-2021 11:08
CS-7 @ (4')	1K02003-07	Soil	11/01/21 00:00	11-02-2021 11:08
CS-8 @ (4')	1K02003-08	Soil	11/01/21 00:00	11-02-2021 11:08
CS-9 @ (4')	1K02003-09	Soil	11/01/21 00:00	11-02-2021 11:08
CS-10 @ (4')	1K02003-10	Soil	11/01/21 00:00	11-02-2021 11:08
CS-11 @ (4')	1K02003-11	Soil	11/01/21 00:00	11-02-2021 11:08
CS-12 @ (4')	1K02003-12	Soil	11/01/21 00:00	11-02-2021 11:08
CS-13 @ (4')	1K02003-13	Soil	11/01/21 00:00	11-02-2021 11:08
CS-14 @ (4')	1K02003-14	Soil	11/01/21 00:00	11-02-2021 11:08
CS-15 @ (4')	1K02003-15	Soil	11/01/21 00:00	11-02-2021 11:08
SW-1	1K02003-16	Soil	11/01/21 00:00	11-02-2021 11:08
SW-2	1K02003-17	Soil	11/01/21 00:00	11-02-2021 11:08
SW-3	1K02003-18	Soil	11/01/21 00:00	11-02-2021 11:08
SW-4	1K02003-19	Soil	11/01/21 00:00	11-02-2021 11:08
SW-5	1K02003-20	Soil	11/01/21 00:00	11-02-2021 11:08
SW-6	1K02003-21	Soil	11/01/21 00:00	11-02-2021 11:08
SW-7	1K02003-22	Soil	11/01/21 00:00	11-02-2021 11:08
SW-8	1K02003-23	Soil	11/01/21 00:00	11-02-2021 11:08

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-1 @ (4')
1K02003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P1K0301	11/03/21 09:38	11/03/21 14:40	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.56	1.00	mg/kg dry	1	P1K0204	11/02/21 09:53	11/02/21 23:30	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 10:20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 10:20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 10:20	TPH 8015M	
Surrogate: 1-Chlorooctane	83.1 %		70-130		P1K0207	11/02/21 15:30	11/03/21 10:20	TPH 8015M	
Surrogate: o-Terphenyl	88.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 10:20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 10:20	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-2 @ (4')
1K02003-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P1K0301	11/03/21 09:38	11/03/21 15:01	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1.86	1.00	mg/kg dry	1	P1K0204	11/02/21 09:53	11/02/21 23:45	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 10:43	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 10:43	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 10:43	TPH 8015M	
Surrogate: 1-Chlorooctane	87.8 %		70-130		P1K0207	11/02/21 15:30	11/03/21 10:43	TPH 8015M	
Surrogate: o-Terphenyl	92.1 %		70-130		P1K0207	11/02/21 15:30	11/03/21 10:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 10:43	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-3 @ (4')
1K02003-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P1K0301	11/03/21 09:38	11/03/21 15:22	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	52.3	1.00	mg/kg dry	1	P1K0204	11/02/21 09:53	11/03/21 00:01	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:06	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:06	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:06	TPH 8015M	
Surrogate: 1-Chlorooctane	79.0 %		70-130		P1K0207	11/02/21 15:30	11/03/21 11:06	TPH 8015M	
Surrogate: o-Terphenyl	83.3 %		70-130		P1K0207	11/02/21 15:30	11/03/21 11:06	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 11:06	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-4 @ (4')
1K02003-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P1K0301	11/03/21 09:38	11/03/21 15:44	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	46.7	1.00	mg/kg dry	1	P1K0204	11/02/21 09:53	11/03/21 00:16	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:29	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:29	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:29	TPH 8015M	
Surrogate: 1-Chlorooctane	84.4 %		70-130		P1K0207	11/02/21 15:30	11/03/21 11:29	TPH 8015M	
Surrogate: o-Terphenyl	88.7 %		70-130		P1K0207	11/02/21 15:30	11/03/21 11:29	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 11:29	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-5 @ (4')
1K02003-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P1K0301	11/03/21 09:38	11/03/21 16:05	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	106	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 17:40	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:52	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:52	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 11:52	TPH 8015M	
Surrogate: 1-Chlorooctane	90.1 %		70-130		P1K0207	11/02/21 15:30	11/03/21 11:52	TPH 8015M	
Surrogate: o-Terphenyl	95.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 11:52	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 11:52	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-6 @ (4')
1K02003-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0301	11/03/21 09:38	11/03/21 16:27	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	875	5.05	mg/kg dry	5	P1K0302	11/03/21 10:01	11/03/21 18:26	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:00	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:00	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:00	TPH 8015M	
Surrogate: 1-Chlorooctane	87.8 %		70-130		P1K0207	11/02/21 15:30	11/03/21 13:00	TPH 8015M	
Surrogate: o-Terphenyl	92.0 %		70-130		P1K0207	11/02/21 15:30	11/03/21 13:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 13:00	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

**CS-7 @ (4')
1K02003-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.7 %		80-120		P1K0301	11/03/21 09:38	11/03/21 17:30	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.03	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 18:41	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:23	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:23	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:23	TPH 8015M	
Surrogate: 1-Chlorooctane	88.7 %		70-130		P1K0207	11/02/21 15:30	11/03/21 13:23	TPH 8015M	
Surrogate: o-Terphenyl	91.9 %		70-130		P1K0207	11/02/21 15:30	11/03/21 13:23	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 13:23	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-8 @ (4')
1K02003-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0301	11/03/21 09:38	11/03/21 17:51	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	44.2	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 18:57	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:46	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:46	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 13:46	TPH 8015M	
Surrogate: 1-Chlorooctane	88.9 %		70-130		P1K0207	11/02/21 15:30	11/03/21 13:46	TPH 8015M	
Surrogate: o-Terphenyl	92.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 13:46	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 13:46	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-9 @ (4')
1K02003-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.5 %		80-120		P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0301	11/03/21 09:38	11/03/21 18:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	93.0	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 19:12	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 14:09	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 14:09	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 14:09	TPH 8015M	
Surrogate: 1-Chlorooctane	86.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 14:09	TPH 8015M	
Surrogate: o-Terphenyl	90.1 %		70-130		P1K0207	11/02/21 15:30	11/03/21 14:09	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 14:09	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-10 @ (4')
1K02003-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P1K0301	11/03/21 09:38	11/03/21 18:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	650	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 19:27	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 14:32	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 14:32	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 14:32	TPH 8015M	
Surrogate: 1-Chlorooctane	91.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 14:32	TPH 8015M	
Surrogate: o-Terphenyl	95.3 %		70-130		P1K0207	11/02/21 15:30	11/03/21 14:32	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 14:32	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-11 @ (4')
1K02003-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		PIK0301	11/03/21 09:38	11/03/21 18:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	PIK0302	11/03/21 10:01	11/03/21 19:42	EPA 300.0	
% Moisture	ND	0.1	%	1	PIK0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	PIK0207	11/02/21 15:30	11/03/21 14:55	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	PIK0207	11/02/21 15:30	11/03/21 14:55	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	PIK0207	11/02/21 15:30	11/03/21 14:55	TPH 8015M	
Surrogate: 1-Chlorooctane	89.0 %		70-130		PIK0207	11/02/21 15:30	11/03/21 14:55	TPH 8015M	
Surrogate: o-Terphenyl	93.0 %		70-130		PIK0207	11/02/21 15:30	11/03/21 14:55	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 14:55	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-12 @ (4')
1K02003-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.8 %		80-120		P1K0301	11/03/21 09:38	11/03/21 19:16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3.38	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 19:58	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 15:18	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 15:18	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 15:18	TPH 8015M	
Surrogate: 1-Chlorooctane	88.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 15:18	TPH 8015M	
Surrogate: o-Terphenyl	91.8 %		70-130		P1K0207	11/02/21 15:30	11/03/21 15:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 15:18	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-13 @ (4')
1K02003-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.7 %		80-120		P1K0301	11/03/21 09:38	11/03/21 19:38	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	77.4	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 20:13	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 15:41	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 15:41	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 15:41	TPH 8015M	
Surrogate: 1-Chlorooctane	83.3 %		70-130		P1K0207	11/02/21 15:30	11/03/21 15:41	TPH 8015M	
Surrogate: o-Terphenyl	86.6 %		70-130		P1K0207	11/02/21 15:30	11/03/21 15:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 15:41	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-14 @ (4')
1K02003-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %	80-120			P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	108 %	80-120			P1K0301	11/03/21 09:38	11/03/21 19:59	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	30.0	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 20:28	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 16:03	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 16:03	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 16:03	TPH 8015M	
Surrogate: 1-Chlorooctane	90.2 %	70-130			P1K0207	11/02/21 15:30	11/03/21 16:03	TPH 8015M	
Surrogate: o-Terphenyl	93.5 %	70-130			P1K0207	11/02/21 15:30	11/03/21 16:03	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 16:03	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-15 @ (4')
1K02003-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0301	11/03/21 09:38	11/03/21 20:20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	206	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 21:14	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 16:26	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 16:26	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 16:26	TPH 8015M	
Surrogate: 1-Chlorooctane	88.9 %		70-130		P1K0207	11/02/21 15:30	11/03/21 16:26	TPH 8015M	
Surrogate: o-Terphenyl	93.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 16:26	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 16:26	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-1
1K02003-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.2 %		80-120		P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P1K0301	11/03/21 09:38	11/03/21 20:41	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.80	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 22:00	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 17:39	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 17:39	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 17:39	TPH 8015M	
Surrogate: 1-Chlorooctane	94.4 %		70-130		P1K0406	11/04/21 13:30	11/04/21 17:39	TPH 8015M	
Surrogate: o-Terphenyl	98.5 %		70-130		P1K0406	11/04/21 13:30	11/04/21 17:39	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 17:39	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-2
1K02003-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	
Toluene	0.00124	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.5 %		80-120		P1K0507	11/05/21 15:11	11/05/21 18:03	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	41.7	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 22:15	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:02	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:02	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:02	TPH 8015M	
Surrogate: 1-Chlorooctane	89.6 %		70-130		P1K0406	11/04/21 13:30	11/04/21 18:02	TPH 8015M	
Surrogate: o-Terphenyl	92.8 %		70-130		P1K0406	11/04/21 13:30	11/04/21 18:02	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 18:02	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-3
1K02003-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.6 %		80-120		P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0507	11/05/21 15:11	11/05/21 18:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 22:30	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:25	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:25	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:25	TPH 8015M	
Surrogate: 1-Chlorooctane	93.0 %		70-130		P1K0406	11/04/21 13:30	11/04/21 18:25	TPH 8015M	
Surrogate: o-Terphenyl	99.6 %		70-130		P1K0406	11/04/21 13:30	11/04/21 18:25	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 18:25	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-4
1K02003-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.7 %		80-120		P1K0507	11/05/21 15:11	11/05/21 18:45	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.01	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 22:46	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:49	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:49	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 18:49	TPH 8015M	
Surrogate: 1-Chlorooctane	88.0 %		70-130		P1K0406	11/04/21 13:30	11/04/21 18:49	TPH 8015M	
Surrogate: o-Terphenyl	94.5 %		70-130		P1K0406	11/04/21 13:30	11/04/21 18:49	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 18:49	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-5
1K02003-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		P1K0507	11/05/21 15:11	11/05/21 19:06	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.84	1.01	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 23:01	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:12	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:12	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:12	TPH 8015M	
Surrogate: 1-Chlorooctane	84.1 %		70-130		P1K0406	11/04/21 13:30	11/04/21 19:12	TPH 8015M	
Surrogate: o-Terphenyl	90.4 %		70-130		P1K0406	11/04/21 13:30	11/04/21 19:12	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 19:12	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-6
1K02003-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0507	11/05/21 15:11	11/05/21 19:27	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 23:16	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:35	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:35	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:35	TPH 8015M	
Surrogate: 1-Chlorooctane	85.1 %		70-130		P1K0406	11/04/21 13:30	11/04/21 19:35	TPH 8015M	
Surrogate: o-Terphenyl	91.3 %		70-130		P1K0406	11/04/21 13:30	11/04/21 19:35	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 19:35	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-7
1K02003-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.8 %		80-120		P1K0507	11/05/21 15:11	11/05/21 19:48	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.94	1.01	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 23:31	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:59	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:59	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 19:59	TPH 8015M	
Surrogate: 1-Chlorooctane	84.7 %		70-130		P1K0406	11/04/21 13:30	11/04/21 19:59	TPH 8015M	
Surrogate: o-Terphenyl	92.1 %		70-130		P1K0406	11/04/21 13:30	11/04/21 19:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 19:59	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-8
1K02003-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.5 %		80-120		P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0507	11/05/21 15:11	11/05/21 20:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	32.9	1.00	mg/kg dry	1	P1K0302	11/03/21 10:01	11/03/21 23:47	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 20:22	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 20:22	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0406	11/04/21 13:30	11/04/21 20:22	TPH 8015M	
Surrogate: 1-Chlorooctane	77.8 %		70-130		P1K0406	11/04/21 13:30	11/04/21 20:22	TPH 8015M	
Surrogate: o-Terphenyl	79.4 %		70-130		P1K0406	11/04/21 13:30	11/04/21 20:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/04/21 13:30	11/04/21 20:22	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0301 - * DEFAULT PREP *****

Blank (P1K0301-BLK1)

Prepared & Analyzed: 11/03/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.108		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.108		101	80-120			

LCS (P1K0301-BS1)

Prepared & Analyzed: 11/03/21

Benzene	0.0833	0.00100	mg/kg wet	0.0967		86.1	70-130			
Toluene	0.0827	0.00100	"	0.0967		85.5	70-130			
Ethylbenzene	0.0914	0.00100	"	0.0967		94.5	70-130			
Xylene (p/m)	0.186	0.00200	"	0.193		96.2	70-130			
Xylene (o)	0.0795	0.00100	"	0.0967		82.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.116		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.116		105	80-120			

LCS Dup (P1K0301-BSD1)

Prepared & Analyzed: 11/03/21

Benzene	0.0924	0.00100	mg/kg wet	0.0956		96.6	70-130	11.5	20	
Toluene	0.0924	0.00100	"	0.0956		96.7	70-130	12.2	20	
Ethylbenzene	0.102	0.00100	"	0.0956		106	70-130	11.7	20	
Xylene (p/m)	0.206	0.00200	"	0.191		108	70-130	11.4	20	
Xylene (o)	0.0883	0.00100	"	0.0956		92.4	70-130	11.6	20	
Surrogate: 1,4-Difluorobenzene	0.121		"	0.115		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.115		102	80-120			

Calibration Blank (P1K0301-CCB1)

Prepared & Analyzed: 11/03/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0301 - * DEFAULT PREP *****

Calibration Blank (P1K0301-CCB2)

Prepared & Analyzed: 11/03/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			

Calibration Blank (P1K0301-CCB3)

Prepared & Analyzed: 11/03/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P1K0301-CCV1)

Prepared & Analyzed: 11/03/21

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Calibration Check (P1K0301-CCV2)

Prepared & Analyzed: 11/03/21

Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		117	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0301 - * DEFAULT PREP *****

Calibration Check (P1K0301-CCV3)				Prepared & Analyzed: 11/03/21						
Benzene	0.113	0.00100	mg/kg wet	0.100		113	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Matrix Spike (P1K0301-MS1)	Source: 1K02002-01			Prepared & Analyzed: 11/03/21			
Benzene	0.107	0.00114	mg/kg dry	0.114	ND	94.0	80-120
Toluene	0.104	0.00114	"	0.114	ND	91.8	80-120
Ethylbenzene	0.111	0.00114	"	0.114	ND	97.7	80-120
Xylene (p/m)	0.225	0.00227	"	0.227	ND	98.9	80-120
Xylene (o)	0.0986	0.00114	"	0.114	ND	86.8	80-120
Surrogate: 4-Bromofluorobenzene	0.148		"	0.136		109	80-120
Surrogate: 1,4-Difluorobenzene	0.148		"	0.136		109	80-120

Matrix Spike Dup (P1K0301-MSD1)	Source: 1K02002-01			Prepared & Analyzed: 11/03/21					
Benzene	0.102	0.00114	mg/kg dry	0.114	ND	89.5	80-120	4.95	20
Toluene	0.0990	0.00114	"	0.114	ND	86.9	80-120	5.44	20
Ethylbenzene	0.105	0.00114	"	0.114	ND	92.3	80-120	5.70	20
Xylene (p/m)	0.212	0.00227	"	0.228	ND	93.3	80-120	5.79	20
Xylene (o)	0.0932	0.00114	"	0.114	ND	81.8	80-120	5.86	20
Surrogate: 1,4-Difluorobenzene	0.148		"	0.137		109	80-120		
Surrogate: 4-Bromofluorobenzene	0.148		"	0.137		108	80-120		

Batch P1K0507 - * DEFAULT PREP *****

Blank (P1K0507-BLK1)				Prepared & Analyzed: 11/05/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.116		"	0.109		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.109		104	80-120			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0507 - * DEFAULT PREP *****

LCS (P1K0507-BS1)

Prepared & Analyzed: 11/05/21

Benzene	0.0871	0.00100	mg/kg wet	0.0873		99.9	70-130			
Toluene	0.0868	0.00100	"	0.0873		99.5	70-130			
Ethylbenzene	0.0959	0.00100	"	0.0873		110	70-130			
Xylene (p/m)	0.195	0.00200	"	0.175		112	70-130			
Xylene (o)	0.0837	0.00100	"	0.0873		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.105		100	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.105		105	80-120			

LCS Dup (P1K0507-BSD1)

Prepared & Analyzed: 11/05/21

Benzene	0.0755	0.00100	mg/kg wet	0.0871		86.6	70-130	14.2	20	
Toluene	0.0739	0.00100	"	0.0871		84.9	70-130	15.9	20	
Ethylbenzene	0.0815	0.00100	"	0.0871		93.6	70-130	16.0	20	
Xylene (p/m)	0.166	0.00200	"	0.174		95.4	70-130	15.6	20	
Xylene (o)	0.0710	0.00100	"	0.0871		81.6	70-130	16.2	20	
Surrogate: 1,4-Difluorobenzene	0.109		"	0.105		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.105		99.1	80-120			

Calibration Blank (P1K0507-CCB1)

Prepared & Analyzed: 11/05/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.7	80-120			

Calibration Blank (P1K0507-CCB2)

Prepared & Analyzed: 11/05/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0507 - * DEFAULT PREP *****

Calibration Check (P1K0507-CCV1)				Prepared & Analyzed: 11/05/21						
Benzene	0.111	0.00100	mg/kg wet	0.100		111	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			

Calibration Check (P1K0507-CCV2)				Prepared & Analyzed: 11/05/21						
Benzene	0.114	0.00100	mg/kg wet	0.100		114	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			

Matrix Spike (P1K0507-MS1)	Source: 1K02003-17			Prepared & Analyzed: 11/05/21			
Benzene	0.0994	0.00100	mg/kg dry	0.101	ND	98.6	80-120
Toluene	0.0981	0.00100	"	0.101	0.00124	96.0	80-120
Ethylbenzene	0.101	0.00100	"	0.101	ND	100	80-120
Xylene (p/m)	0.204	0.00200	"	0.202	ND	101	80-120
Xylene (o)	0.0891	0.00100	"	0.101	ND	88.4	80-120
Surrogate: 1,4-Difluorobenzene	0.126		"	0.121		104	80-120
Surrogate: 4-Bromofluorobenzene	0.122		"	0.121		101	80-120

Matrix Spike Dup (P1K0507-MSD1)	Source: 1K02003-17			Prepared & Analyzed: 11/05/21					
Benzene	0.102	0.00100	mg/kg dry	0.0996	ND	103	80-120	4.05	20
Toluene	0.101	0.00100	"	0.0996	0.00124	100	80-120	4.04	20
Ethylbenzene	0.105	0.00100	"	0.0996	ND	105	80-120	4.60	20
Xylene (p/m)	0.210	0.00200	"	0.199	ND	105	80-120	4.26	20
Xylene (o)	0.0918	0.00100	"	0.0996	ND	92.1	80-120	4.14	20
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120		
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		109	80-120		

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0204 - * DEFAULT PREP *****

Blank (P1K0204-BLK1)

Prepared & Analyzed: 11/02/21

Chloride	ND	1.00	mg/kg wet
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LCS (P1K0204-BS1)

Prepared & Analyzed: 11/02/21

Chloride	392	1.00	mg/kg wet	400	98.0	90-110
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LCS Dup (P1K0204-BSD1)

Prepared & Analyzed: 11/02/21

Chloride	391	1.00	mg/kg wet	400	97.7	90-110	0.296	10
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Calibration Blank (P1K0204-CCB1)

Prepared & Analyzed: 11/02/21

Chloride	-0.00400		mg/kg wet
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Calibration Blank (P1K0204-CCB2)

Prepared & Analyzed: 11/02/21

Chloride	-0.134		mg/kg wet
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Calibration Check (P1K0204-CCV1)

Prepared & Analyzed: 11/02/21

Chloride	20.3		mg/kg	20.0	101	90-110
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Calibration Check (P1K0204-CCV2)

Prepared & Analyzed: 11/02/21

Chloride	20.0		mg/kg	20.0	100	90-110
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Calibration Check (P1K0204-CCV3)

Prepared: 11/02/21 Analyzed: 11/03/21

Chloride	19.8		mg/kg	20.0	99.1	90-110
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Matrix Spike (P1K0204-MS1)

Source: 1K01002-01

Prepared & Analyzed: 11/02/21

Chloride	41400	100	mg/kg dry	10000	31800	96.6	80-120
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Matrix Spike (P1K0204-MS2)

Source: 1K01004-07

Prepared & Analyzed: 11/02/21

Chloride	581	1.16	mg/kg dry	581	28.2	95.1	80-120
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1K0204 - *** DEFAULT PREP ***										
Matrix Spike Dup (P1K0204-MSD1)		Source: 1K01002-01			Prepared & Analyzed: 11/02/21					
Chloride	42200	100	mg/kg dry	10000	31800	105	80-120	1.92	20	
Matrix Spike Dup (P1K0204-MSD2)		Source: 1K01004-07			Prepared & Analyzed: 11/02/21					
Chloride	579	1.16	mg/kg dry	581	28.2	94.8	80-120	0.291	20	
Batch P1K0302 - *** DEFAULT PREP ***										
Blank (P1K0302-BLK1)		Prepared & Analyzed: 11/03/21								
Chloride	ND	1.00	mg/kg wet							
LCS (P1K0302-BS1)		Prepared & Analyzed: 11/03/21								
Chloride	400	1.00	mg/kg wet	400		99.9	90-110			
LCS Dup (P1K0302-BSD1)		Prepared & Analyzed: 11/03/21								
Chloride	398	1.00	mg/kg wet	400		99.4	90-110	0.512	10	
Calibration Blank (P1K0302-CCB1)		Prepared & Analyzed: 11/03/21								
Chloride	0.0440		mg/kg wet							
Calibration Blank (P1K0302-CCB2)		Prepared & Analyzed: 11/03/21								
Chloride	-0.210		mg/kg wet							
Calibration Check (P1K0302-CCV1)		Prepared & Analyzed: 11/03/21								
Chloride	18.4		mg/kg	20.0		92.2	90-110			
Calibration Check (P1K0302-CCV2)		Prepared & Analyzed: 11/03/21								
Chloride	19.9		mg/kg	20.0		99.5	90-110			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1K0302 - *** DEFAULT PREP ***										
Calibration Check (P1K0302-CCV3)				Prepared: 11/03/21 Analyzed: 11/04/21						
Chloride	19.6		mg/kg	20.0		97.9	90-110			
Matrix Spike (P1K0302-MS1)				Source: 1K02003-05 Prepared & Analyzed: 11/03/21						
Chloride	578	1.00	mg/kg dry	500	106	94.5	80-120			
Matrix Spike (P1K0302-MS2)				Source: 1K02003-15 Prepared & Analyzed: 11/03/21						
Chloride	669	1.00	mg/kg dry	500	206	92.5	80-120			
Matrix Spike Dup (P1K0302-MSD1)				Source: 1K02003-05 Prepared & Analyzed: 11/03/21						
Chloride	577	1.00	mg/kg dry	500	106	94.3	80-120	0.220	20	
Matrix Spike Dup (P1K0302-MSD2)				Source: 1K02003-15 Prepared & Analyzed: 11/03/21						
Chloride	657	1.00	mg/kg dry	500	206	90.2	80-120	1.72	20	
Batch P1K0402 - *** DEFAULT PREP ***										
Blank (P1K0402-BLK1)				Prepared & Analyzed: 11/04/21						
% Moisture	ND	0.1	%							
Blank (P1K0402-BLK2)				Prepared & Analyzed: 11/04/21						
% Moisture	ND	0.1	%							
Blank (P1K0402-BLK3)				Prepared & Analyzed: 11/04/21						
% Moisture	ND	0.1	%							
Duplicate (P1K0402-DUP1)				Source: 1K02003-06 Prepared & Analyzed: 11/04/21						
% Moisture	ND	0.1	%		1.0			200	20	R3

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0402 - * DEFAULT PREP *****

Duplicate (P1K0402-DUP2)	Source: 1K02003-16		Prepared & Analyzed: 11/04/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1K0402-DUP3)	Source: 1K02004-08		Prepared & Analyzed: 11/04/21							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1K0402-DUP4)	Source: 1K03001-01		Prepared & Analyzed: 11/04/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1K0402-DUP5)	Source: 1K03007-11		Prepared & Analyzed: 11/04/21							
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P1K0402-DUP6)	Source: 1K03009-01		Prepared & Analyzed: 11/04/21							
% Moisture	5.0	0.1	%		6.0			18.2	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0207 - TX 1005

Blank (P1K0207-BLK1)

Prepared & Analyzed: 11/02/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	81.3		"	100		81.3	70-130			
Surrogate: o-Terphenyl	42.9		"	50.0		85.9	70-130			

LCS (P1K0207-BS1)

Prepared & Analyzed: 11/02/21

C6-C12	910	25.0	mg/kg wet	1000		91.0	75-125			
>C12-C28	928	25.0	"	1000		92.8	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	47.2		"	50.0		94.5	70-130			

LCS Dup (P1K0207-BS1)

Prepared & Analyzed: 11/02/21

C6-C12	824	25.0	mg/kg wet	1000		82.4	75-125	9.87	20	
>C12-C28	843	25.0	"	1000		84.3	75-125	9.57	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	43.3		"	50.0		86.6	70-130			

Calibration Check (P1K0207-CCV1)

Prepared & Analyzed: 11/02/21

C6-C12	481	25.0	mg/kg wet	500		96.2	85-115			
>C12-C28	476	25.0	"	500		95.2	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	70-130			

Calibration Check (P1K0207-CCV2)

Prepared: 11/02/21 Analyzed: 11/03/21

C6-C12	473	25.0	mg/kg wet	500		94.6	85-115			
>C12-C28	474	25.0	"	500		94.7	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0207 - TX 1005

Matrix Spike (P1K0207-MS1)		Source: 1K02003-15		Prepared: 11/02/21		Analyzed: 11/03/21				
C6-C12	899	25.0	mg/kg dry	1000	12.0	88.7	75-125			
>C12-C28	920	25.0	"	1000	14.8	90.5	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	45.4		"	50.0		90.9	70-130			

Matrix Spike Dup (P1K0207-MSD1)		Source: 1K02003-15		Prepared: 11/02/21		Analyzed: 11/03/21				
C6-C12	908	25.0	mg/kg dry	1000	12.0	89.6	75-125	0.967	20	
>C12-C28	926	25.0	"	1000	14.8	91.2	75-125	0.732	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	46.9		"	50.0		93.8	70-130			

Batch P1K0406 - TX 1005

Blank (P1K0406-BLK1)		Prepared & Analyzed: 11/04/21								
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	85.4		"	100		85.4	70-130			
Surrogate: o-Terphenyl	44.9		"	50.0		89.8	70-130			

LCS (P1K0406-BS1)		Prepared & Analyzed: 11/04/21								
C6-C12	1010	25.0	mg/kg wet	1000		101	75-125			
>C12-C28	921	25.0	"	1000		92.1	75-125			
Surrogate: 1-Chlorooctane	124		"	100		124	70-130			
Surrogate: o-Terphenyl	46.6		"	50.0		93.2	70-130			

LCS Dup (P1K0406-BSD1)		Prepared & Analyzed: 11/04/21								
C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	0.0906	20	
>C12-C28	888	25.0	"	1000		88.8	75-125	3.71	20	
Surrogate: 1-Chlorooctane	87.4		"	100		87.4	70-130			
Surrogate: o-Terphenyl	47.2		"	50.0		94.3	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1K0406 - TX 1005										
Calibration Check (P1K0406-CCV1)				Prepared & Analyzed: 11/04/21						
C6-C12	500	25.0	mg/kg wet	500		99.9	85-115			
>C12-C28	466	25.0	"	500		93.2	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	47.9		"	50.0		95.8	70-130			
Calibration Check (P1K0406-CCV2)				Prepared & Analyzed: 11/04/21						
C6-C12	433	25.0	mg/kg wet	500		86.7	85-115			
>C12-C28	432	25.0	"	500		86.4	85-115			
Surrogate: 1-Chlorooctane	92.8		"	100		92.8	70-130			
Surrogate: o-Terphenyl	41.0		"	50.0		82.0	70-130			
Calibration Check (P1K0406-CCV3)				Prepared: 11/04/21 Analyzed: 11/05/21						
C6-C12	459	25.0	mg/kg wet	500		91.8	85-115			
>C12-C28	435	25.0	"	500		87.0	85-115			
Surrogate: 1-Chlorooctane	97.3		"	100		97.3	70-130			
Surrogate: o-Terphenyl	43.3		"	50.0		86.5	70-130			
Matrix Spike (P1K0406-MS1)				Source: 1K02005-03 Prepared: 11/04/21 Analyzed: 11/05/21						
C6-C12	923	25.0	mg/kg dry	1000	15.8	90.8	75-125			
>C12-C28	842	25.0	"	1000	10.2	83.2	75-125			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	38.3		"	50.0		76.6	70-130			
Matrix Spike Dup (P1K0406-MSD1)				Source: 1K02005-03 Prepared: 11/04/21 Analyzed: 11/05/21						
C6-C12	815	25.0	mg/kg dry	1000	15.8	79.9	75-125	12.8	20	
>C12-C28	743	25.0	"	1000	10.2	73.3	75-125	12.7	20	QM-05
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	35.1		"	50.0		70.2	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/8/2021

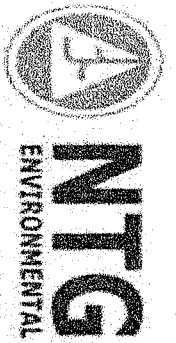
Brent Barron, Laboratory Director/Technical Director

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

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If you have received this material in error, please notify us immediately at 432-686-7235.



Chain of Custody

Work Order No: 1K02003

Page 1 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Lact Lujg
Company Name:	NTG Environmental	Company Name:	Cinrax Energy Co.
Address:	701 Tradewinds Blvd	Address:	600 N Marientfield St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, TX 79701
Phone:	432.813.0263	Email:	llujg@cinrax.com / 432.208.3035

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Triste Draw 25 ROW Soil		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:		214707		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																	
Project Location:		Lea Co, NM		Due Date:																	
Sampler's Name:		NH/ES		TAT starts the day received by the lab, if received by 4:30pm																	
PO #:																					
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No														
Received intact:		Yes	No	Thermometer ID:	L2																
Cooler Custody Seals:		Yes	No	Correction Factor:	+1																
Sample Custody Seals:		Yes	No	Temperature Reading:	4.9																
Total Containers:				Corrected Temperature:	5.9																
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-1 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-2 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-3 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-4 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-5 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-6 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-7 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-8 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-9 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				
CS-10 (4')		11/1/2021		X		C	1	X	X	X	X	X	X	X	X	X	X				

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Sammy J. [Signature]</i>	<i>Sammy J. [Signature]</i>	11/2/21 11:08			



Chain of Custody

Work Order No: 11402003

Page 2 of 3

Project Manager:	Mike Cammona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Martenfeld St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, TX 79701
Phone:	432.813.0263	Email:	lluiq@cimarex.com / 432.208.3035

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Tisite Draw 25 ROW Soil		Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	214707		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None, NO	DI Water: H ₂ O			
Project Location:	Lea Co, NM		Due Date:														Cool: Cool	MeOH: Me			
Sampler's Name:	NH/ES		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT			Temp Blank:	Yes	No	Yes	No	Wet Ice:	Yes	No								H ₃ PO ₄ : HP			
Received Intact:	Yes	No	Thermometer ID:														NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:	4.9											Zn Acetate+NaOH: Zn					
Total Containers:			Corrected Temperature:	5.9											NaOH+Ascorbic Acid: SAPC						
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments	
CS-11 (4)				11/1/2021		X		C	1	X	X	X	X								
CS-12 (4)				11/1/2021		X		C	1	X	X	X	X								
CS-13 (4)				11/1/2021		X		C	1	X	X	X	X								
CS-14 (4)				11/1/2021		X		C	1	X	X	X	X								
CS-15 (4)				11/1/2021		X		C	1	X	X	X	X								
SW-1				11/1/2021		X		C	1	X	X	X	X								
SW-2				11/1/2021		X		C	1	X	X	X	X								
SW-3				11/1/2021		X		C	1	X	X	X	X								
SW-4				11/1/2021		X		C	1	X	X	X	X								
SW-5				11/1/2021		X		C	1	X	X	X	X								

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/21/21 11:08			



SECRET

Work Order No: 1202003

Page 3 of 3

Page 42 of 43

Project Manager:	Mike Carrmona	Bill to: (if different)	Lael Luigi
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Marfield St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, Tx 79701
Phone:	432.813.0263	Email:	lluigi@cimarex.com / 432.208.3035

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]

Additioinal Comments:

Notice: Xenro will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenro. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenro, but not analyzed. These terms will be enforced unless previously negotiated. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenro, its affiliates and sub-contractors. It assigns standard terms and conditions of service. Xenro will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenro. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenro, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/2/21 11:08			



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	Chain of custody / procedures received?
<input checked="" type="checkbox"/>	Chain of custody signed/dated/time when relinquished and received?
<input checked="" type="checkbox"/>	Sample date/time present on COC for all samples?
<input checked="" type="checkbox"/>	Samplers name present on COC?
<input checked="" type="checkbox"/>	Chain of custody agrees with sample labels
<input checked="" type="checkbox"/>	Sample containers intact?
<input checked="" type="checkbox"/>	Correctly sealed number of sample bottles?
<input checked="" type="checkbox"/>	Samples in proper container/bottle?
<input checked="" type="checkbox"/>	Substrate sample volume for analysis is 1-2 g
<input checked="" type="checkbox"/>	All samples received within holding time?
<input checked="" type="checkbox"/>	Samples received within applicable holding time
<input checked="" type="checkbox"/>	Analysis requested for all samples submitted?
	Shipping container cooler in good condition?
	Custody seals intact on shipping container/cooler?

Login Notes:

402 Jars 1K02003



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted

Name:

Date/Time:

NC Initiated by: _____ Approved by: _____

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mike Carmona
NTG Environmental
701 Tradewinds BLVD
Midland, TX 79706

Project: Tristie Draw 25 ROW Spill

Project Number: 214707

Location: Lea County, NM

Lab Order Number: 1K02002



Current Certification

Report Date: 11/05/21

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-4 @ 5'-5.5'	1K02002-01	Soil	11/01/21 00:00	11-02-2021 11:08
S-4 @ 6'-6.5'	1K02002-02	Soil	11/01/21 00:00	11-02-2021 11:08
S-4 @ 7'-7.5'	1K02002-03	Soil	11/01/21 00:00	11-02-2021 11:08

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 5'-5.5'
1K02002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00114	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	108 %		80-120		P1K0301	11/03/21 09:38	11/03/21 13:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7310	28.4	mg/kg dry	25	P1K0204	11/02/21 09:53	11/02/21 22:44	EPA 300.0	
% Moisture	12.0	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P1K0207	11/02/21 15:30	11/02/21 19:00	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P1K0207	11/02/21 15:30	11/02/21 19:00	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P1K0207	11/02/21 15:30	11/02/21 19:00	TPH 8015M	
Surrogate: 1-Chlorooctane	72.6 %		70-130		P1K0207	11/02/21 15:30	11/02/21 19:00	TPH 8015M	
Surrogate: o-Terphenyl	77.8 %		70-130		P1K0207	11/02/21 15:30	11/02/21 19:00	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	11/02/21 15:30	11/02/21 19:00	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 6'-6.5'
1K02002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00115	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		PIK0301	11/03/21 09:38	11/03/21 13:35	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8430	28.7	mg/kg dry	25	PIK0204	11/02/21 09:53	11/02/21 22:59	EPA 300.0	
% Moisture	13.0	0.1	%	1	PIK0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	PIK0207	11/02/21 15:30	11/03/21 08:24	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	PIK0207	11/02/21 15:30	11/03/21 08:24	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	PIK0207	11/02/21 15:30	11/03/21 08:24	TPH 8015M	
Surrogate: 1-Chlorooctane	87.2 %		70-130		PIK0207	11/02/21 15:30	11/03/21 08:24	TPH 8015M	
Surrogate: o-Terphenyl	95.4 %		70-130		PIK0207	11/02/21 15:30	11/03/21 08:24	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 08:24	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-4 @ 7'-7.5'
1K02002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.5 %		80-120		P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0301	11/03/21 09:38	11/03/21 13:57	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	98.8	1.00	mg/kg dry	1	P1K0204	11/02/21 09:53	11/02/21 23:15	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K0402	11/04/21 08:59	11/04/21 09:03	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 09:34	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 09:34	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K0207	11/02/21 15:30	11/03/21 09:34	TPH 8015M	
Surrogate: 1-Chlorooctane	85.8 %		70-130		P1K0207	11/02/21 15:30	11/03/21 09:34	TPH 8015M	
Surrogate: o-Terphenyl	91.2 %		70-130		P1K0207	11/02/21 15:30	11/03/21 09:34	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/02/21 15:30	11/03/21 09:34	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0301 - * DEFAULT PREP *****

Blank (P1K0301-BLK1)

Prepared & Analyzed: 11/03/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.108		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.108		101	80-120			

LCS (P1K0301-BS1)

Prepared & Analyzed: 11/03/21

Benzene	0.0833	0.00100	mg/kg wet	0.0967		86.1	70-130			
Toluene	0.0827	0.00100	"	0.0967		85.5	70-130			
Ethylbenzene	0.0914	0.00100	"	0.0967		94.5	70-130			
Xylene (p/m)	0.186	0.00200	"	0.193		96.2	70-130			
Xylene (o)	0.0795	0.00100	"	0.0967		82.2	70-130			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.116		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.116		101	80-120			

LCS Dup (P1K0301-BSD1)

Prepared & Analyzed: 11/03/21

Benzene	0.0924	0.00100	mg/kg wet	0.0956		96.6	70-130	11.5	20	
Toluene	0.0924	0.00100	"	0.0956		96.7	70-130	12.2	20	
Ethylbenzene	0.102	0.00100	"	0.0956		106	70-130	11.7	20	
Xylene (p/m)	0.206	0.00200	"	0.191		108	70-130	11.4	20	
Xylene (o)	0.0883	0.00100	"	0.0956		92.4	70-130	11.6	20	
Surrogate: 4-Bromofluorobenzene	0.117		"	0.115		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.115		105	80-120			

Calibration Blank (P1K0301-CCB1)

Prepared & Analyzed: 11/03/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0301 - * DEFAULT PREP *****

Calibration Blank (P1K0301-CCB2)

Prepared & Analyzed: 11/03/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.4	80-120			

Calibration Blank (P1K0301-CCB3)

Prepared & Analyzed: 11/03/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P1K0301-CCV1)

Prepared & Analyzed: 11/03/21

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Calibration Check (P1K0301-CCV2)

Prepared & Analyzed: 11/03/21

Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		117	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0301 - * DEFAULT PREP *****

Calibration Check (P1K0301-CCV3)				Prepared & Analyzed: 11/03/21						
Benzene	0.113	0.00100	mg/kg wet	0.100		113	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Matrix Spike (P1K0301-MS1)				Source: 1K02002-01 Prepared & Analyzed: 11/03/21						
Benzene	0.107	0.00114	mg/kg dry	0.114	ND	94.0	80-120			
Toluene	0.104	0.00114	"	0.114	ND	91.8	80-120			
Ethylbenzene	0.111	0.00114	"	0.114	ND	97.7	80-120			
Xylene (p/m)	0.225	0.00227	"	0.227	ND	98.9	80-120			
Xylene (o)	0.0986	0.00114	"	0.114	ND	86.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.148		"	0.136		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.148		"	0.136		109	80-120			

Matrix Spike Dup (P1K0301-MSD1)				Source: 1K02002-01 Prepared & Analyzed: 11/03/21						
Benzene	0.102	0.00114	mg/kg dry	0.114	ND	89.5	80-120	4.95	20	
Toluene	0.0990	0.00114	"	0.114	ND	86.9	80-120	5.44	20	
Ethylbenzene	0.105	0.00114	"	0.114	ND	92.3	80-120	5.70	20	
Xylene (p/m)	0.212	0.00227	"	0.228	ND	93.3	80-120	5.79	20	
Xylene (o)	0.0932	0.00114	"	0.114	ND	81.8	80-120	5.86	20	
Surrogate: 4-Bromofluorobenzene	0.148		"	0.137		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.148		"	0.137		109	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0204 - * DEFAULT PREP *****

Blank (P1K0204-BLK1)

Prepared & Analyzed: 11/02/21

Chloride	ND	1.00	mg/kg wet
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LCS (P1K0204-BS1)

Prepared & Analyzed: 11/02/21

Chloride	392	1.00	mg/kg wet	400	98.0	90-110
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LCS Dup (P1K0204-BSD1)

Prepared & Analyzed: 11/02/21

Chloride	391	1.00	mg/kg wet	400	97.7	90-110	0.296	10
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Calibration Blank (P1K0204-CCB1)

Prepared & Analyzed: 11/02/21

Chloride	-0.00400		mg/kg wet
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Calibration Blank (P1K0204-CCB2)

Prepared & Analyzed: 11/02/21

Chloride	-0.134		mg/kg wet
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Calibration Check (P1K0204-CCV1)

Prepared & Analyzed: 11/02/21

Chloride	20.3		mg/kg	20.0	101	90-110
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Calibration Check (P1K0204-CCV2)

Prepared & Analyzed: 11/02/21

Chloride	20.0		mg/kg	20.0	100	90-110
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Calibration Check (P1K0204-CCV3)

Prepared: 11/02/21 Analyzed: 11/03/21

Chloride	19.8		mg/kg	20.0	99.1	90-110
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Matrix Spike (P1K0204-MS1)

Source: 1K01002-01

Prepared & Analyzed: 11/02/21

Chloride	41400	100	mg/kg dry	10000	31800	96.6	80-120
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Matrix Spike (P1K0204-MS2)

Source: 1K01004-07

Prepared & Analyzed: 11/02/21

Chloride	581	1.16	mg/kg dry	581	28.2	95.1	80-120
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0204 - * DEFAULT PREP *****

Matrix Spike Dup (P1K0204-MSD1)	Source: 1K01002-01		Prepared & Analyzed: 11/02/21							
Chloride	42200	100	mg/kg dry	10000	31800	105	80-120	1.92	20	
Matrix Spike Dup (P1K0204-MSD2)	Source: 1K01004-07		Prepared & Analyzed: 11/02/21							
Chloride	579	1.16	mg/kg dry	581	28.2	94.8	80-120	0.291	20	

Batch P1K0402 - * DEFAULT PREP *****

Blank (P1K0402-BLK1)	Prepared & Analyzed: 11/04/21									
% Moisture	ND	0.1	%							
Blank (P1K0402-BLK2)	Prepared & Analyzed: 11/04/21									
% Moisture	ND	0.1	%							
Blank (P1K0402-BLK3)	Prepared & Analyzed: 11/04/21									
% Moisture	ND	0.1	%							
Duplicate (P1K0402-DUP1)	Source: 1K02003-06		Prepared & Analyzed: 11/04/21							
% Moisture	ND	0.1	%		1.0			200	20	R3
Duplicate (P1K0402-DUP2)	Source: 1K02003-16		Prepared & Analyzed: 11/04/21							
% Moisture	ND	0.1	%		ND				20	
Duplicate (P1K0402-DUP3)	Source: 1K02004-08		Prepared & Analyzed: 11/04/21							
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1K0402-DUP4)	Source: 1K03001-01		Prepared & Analyzed: 11/04/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0402 - * DEFAULT PREP *****

Duplicate (P1K0402-DUP5)	Source: 1K03007-11			Prepared & Analyzed: 11/04/21						
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P1K0402-DUP6)	Source: 1K03009-01			Prepared & Analyzed: 11/04/21						
% Moisture	5.0	0.1	%		6.0			18.2	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0207 - TX 1005

Blank (P1K0207-BLK1)

Prepared & Analyzed: 11/02/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	81.3		"	100		81.3	70-130			
Surrogate: o-Terphenyl	42.9		"	50.0		85.9	70-130			

LCS (P1K0207-BS1)

Prepared & Analyzed: 11/02/21

C6-C12	910	25.0	mg/kg wet	1000		91.0	75-125			
>C12-C28	928	25.0	"	1000		92.8	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	47.2		"	50.0		94.5	70-130			

LCS Dup (P1K0207-BSD1)

Prepared & Analyzed: 11/02/21

C6-C12	824	25.0	mg/kg wet	1000		82.4	75-125	9.87	20	
>C12-C28	843	25.0	"	1000		84.3	75-125	9.57	20	
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	43.3		"	50.0		86.6	70-130			

Calibration Check (P1K0207-CCV1)

Prepared & Analyzed: 11/02/21

C6-C12	481	25.0	mg/kg wet	500		96.2	85-115			
>C12-C28	476	25.0	"	500		95.2	85-115			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	49.6		"	50.0		99.2	70-130			

Calibration Check (P1K0207-CCV2)

Prepared: 11/02/21 Analyzed: 11/03/21

C6-C12	473	25.0	mg/kg wet	500		94.6	85-115			
>C12-C28	474	25.0	"	500		94.7	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0207 - TX 1005

Matrix Spike (P1K0207-MS1)	Source: 1K02003-15			Prepared: 11/02/21		Analyzed: 11/03/21				
C6-C12	899	25.0	mg/kg dry	1000	12.0	88.7	75-125			
>C12-C28	920	25.0	"	1000	14.8	90.5	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	45.4		"	50.0		90.9	70-130			
Matrix Spike Dup (P1K0207-MSD1)	Source: 1K02003-15			Prepared: 11/02/21		Analyzed: 11/03/21				
C6-C12	908	25.0	mg/kg dry	1000	12.0	89.6	75-125	0.967	20	
>C12-C28	926	25.0	"	1000	14.8	91.2	75-125	0.732	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	46.9		"	50.0		93.8	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/5/2021

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



Man of the Century

Work Order No: IK02002

Page 1 of 1

Project Manager:	Mike Camrona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cimatrex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Marlenfeld St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland Tx 79701
Phone:	432.813.0263	Email:	lluig@climatrex.com / 432.208.3035

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> superfund <input type="checkbox"/> State of Project: Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	Chain of custody present?
<input checked="" type="checkbox"/>	Chain of custody signed/dated/time when relinquished and received?
<input checked="" type="checkbox"/>	Sample labels type present on COC for all samples?
<input checked="" type="checkbox"/>	Sampler's name present on COC?
<input checked="" type="checkbox"/>	Chain of custody agrees with sample labels
<input checked="" type="checkbox"/>	Sample containers intact?
<input checked="" type="checkbox"/>	Custody seals intact on sample bottles?
<input checked="" type="checkbox"/>	Samples in proper container/bottle?
<input checked="" type="checkbox"/>	Sufficient sample volume for intended test?
<input checked="" type="checkbox"/>	All samples received within holding time?
<input checked="" type="checkbox"/>	Samples received with appropriate labeling?
<input checked="" type="checkbox"/>	Analysis requested for all samples submitted?
	Shipping container/cooler in good condition?
	Custody seals intact on shipping container/cooler?

Login Notes: 40e jars 1K02002

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:
Resolution:
Client Contacted
Name:
Date/Time:
NC Initiated by: _____
Approved by: _____

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mike Carmona
NTG Environmental
701 Tradewinds BLVD
Midland, TX 79706

Project: Tristie Draw 25 ROW Spill

Project Number: 214707

Location: Lea County, NM

Lab Order Number: 1K09002



Current Certification

Report Date: 11/15/21

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 @ 5'-5.5'	1K09002-01	Soil	11/08/21 00:00	11-09-2021 09:08
S-1 @ 6'-6.5'	1K09002-02	Soil	11/08/21 00:00	11-09-2021 09:08
S-2 @ 5'-5.5'	1K09002-03	Soil	11/08/21 00:00	11-09-2021 09:08
S-2 @ 6'-6.5'	1K09002-04	Soil	11/08/21 00:00	11-09-2021 09:08

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 5'-5.5'
1K09002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		P1K0905	11/09/21 13:30	11/09/21 16:43	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	16.3	1.04	mg/kg dry	1	P1K1006	11/10/21 13:08	11/11/21 14:23	EPA 300.0	
% Moisture	4.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 00:33	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 00:33	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 00:33	TPH 8015M	
Surrogate: 1-Chlorooctane	104 %		70-130		P1K1009	11/10/21 14:00	11/11/21 00:33	TPH 8015M	
Surrogate: o-Terphenyl	112 %		70-130		P1K1009	11/10/21 14:00	11/11/21 00:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 00:33	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-1 @ 6'-6.5'
1K09002-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		PIK0905	11/09/21 13:30	11/09/21 17:04	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	26.8	1.05	mg/kg dry	1	PIK1006	11/10/21 13:08	11/11/21 14:39	EPA 300.0	
% Moisture	5.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 00:56	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 00:56	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 00:56	TPH 8015M	
Surrogate: 1-Chlorooctane	103 %		70-130		PIK1009	11/10/21 14:00	11/11/21 00:56	TPH 8015M	
Surrogate: o-Terphenyl	113 %		70-130		PIK1009	11/10/21 14:00	11/11/21 00:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 00:56	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 5'-5.5'
1K09002-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		PIK0905	11/09/21 13:30	11/09/21 17:25	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.12	1.06	mg/kg dry	1	PIK1109	11/11/21 16:00	11/11/21 21:16	EPA 300.0	
% Moisture	6.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 01:19	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 01:19	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 01:19	TPH 8015M	
Surrogate: 1-Chlorooctane	104 %		70-130		PIK1009	11/10/21 14:00	11/11/21 01:19	TPH 8015M	
Surrogate: o-Terphenyl	115 %		70-130		PIK1009	11/10/21 14:00	11/11/21 01:19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 01:19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

S-2 @ 6'-6.5'
1K09002-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		PIK0905	11/09/21 13:30	11/09/21 17:46	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.39	1.06	mg/kg dry	1	PIK1109	11/11/21 16:00	11/11/21 22:02	EPA 300.0	
% Moisture	6.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 01:42	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 01:42	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 01:42	TPH 8015M	
Surrogate: 1-Chlorooctane	103 %		70-130		PIK1009	11/10/21 14:00	11/11/21 01:42	TPH 8015M	
Surrogate: o-Terphenyl	113 %		70-130		PIK1009	11/10/21 14:00	11/11/21 01:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 01:42	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0905 - * DEFAULT PREP *****

Blank (P1K0905-BLK1)

Prepared & Analyzed: 11/09/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.129		"	0.124		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.124		101	80-120			

LCS (P1K0905-BS1)

Prepared & Analyzed: 11/09/21

Benzene	0.0807	0.00100	mg/kg wet	0.0865		93.3	70-130			
Toluene	0.0822	0.00100	"	0.0865		95.0	70-130			
Ethylbenzene	0.0908	0.00100	"	0.0865		105	70-130			
Xylene (p/m)	0.188	0.00200	"	0.173		109	70-130			
Xylene (o)	0.0844	0.00100	"	0.0865		97.6	70-130			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.104		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.104		105	80-120			

LCS Dup (P1K0905-BSD1)

Prepared & Analyzed: 11/09/21

Benzene	0.0809	0.00100	mg/kg wet	0.0977		82.8	70-130	11.9	20	
Toluene	0.0804	0.00100	"	0.0977		82.4	70-130	14.3	20	
Ethylbenzene	0.0896	0.00100	"	0.0977		91.7	70-130	13.5	20	
Xylene (p/m)	0.185	0.00200	"	0.195		94.6	70-130	14.1	20	
Xylene (o)	0.0828	0.00100	"	0.0977		84.8	70-130	14.1	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.117		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.117		105	80-120			

Calibration Blank (P1K0905-CCB1)

Prepared & Analyzed: 11/09/21

Benzene	0.00		mg/kg wet							
Toluene	0.290		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0905 - * DEFAULT PREP *****

Calibration Blank (P1K0905-CCB2)

Prepared & Analyzed: 11/09/21

Benzene	0.00		mg/kg wet							
Toluene	0.410		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.160		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.4	80-120			

Calibration Check (P1K0905-CCV1)

Prepared & Analyzed: 11/09/21

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

Calibration Check (P1K0905-CCV2)

Prepared & Analyzed: 11/09/21

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			

Calibration Check (P1K0905-CCV3)

Prepared: 11/09/21 Analyzed: 11/10/21

Benzene	0.115	0.00100	mg/kg wet	0.100		115	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.6	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0905 - * DEFAULT PREP *****

Matrix Spike (P1K0905-MS1)		Source: 1K09002-01		Prepared: 11/09/21		Analyzed: 11/10/21				
Benzene	0.0775	0.00104	mg/kg dry	0.0871	ND	89.0	80-120			
Toluene	0.0781	0.00104	"	0.0871	ND	89.6	80-120			
Ethylbenzene	0.0850	0.00104	"	0.0871	ND	97.6	80-120			
Xylene (p/m)	0.172	0.00208	"	0.174	ND	98.9	80-120			
Xylene (o)	0.0771	0.00104	"	0.0871	ND	88.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.105		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.105		109	80-120			

Matrix Spike Dup (P1K0905-MSD1)		Source: 1K09002-01		Prepared: 11/09/21		Analyzed: 11/10/21				
Benzene	0.108	0.00104	mg/kg dry	0.114	ND	95.0	80-120	6.52	20	
Toluene	0.109	0.00104	"	0.114	ND	96.0	80-120	6.82	20	
Ethylbenzene	0.117	0.00104	"	0.114	ND	103	80-120	5.07	20	
Xylene (p/m)	0.239	0.00208	"	0.228	ND	105	80-120	5.70	20	
Xylene (o)	0.108	0.00104	"	0.114	ND	94.8	80-120	6.77	20	
Surrogate: 4-Bromofluorobenzene	0.143		"	0.137		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.145		"	0.137		106	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1006 - * DEFAULT PREP *****

Blank (P1K1006-BLK1)

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	ND	1.00	mg/kg wet
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LCS (P1K1006-BS1)

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	433	1.00	mg/kg wet	400	108	90-110
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LCS Dup (P1K1006-BSD1)

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	431	1.00	mg/kg wet	400	108	90-110	0.393	10
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Calibration Check (P1K1006-CCV1)

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	20.0		mg/kg	20.0	100	90-110
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Calibration Check (P1K1006-CCV2)

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	20.2		mg/kg	20.0	101	90-110
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Calibration Check (P1K1006-CCV3)

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	19.3		mg/kg	20.0	96.3	90-110
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Matrix Spike (P1K1006-MS1)

Source: 1K08008-70

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	17800	61.0	mg/kg dry	6100	11000	113	80-120
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Matrix Spike Dup (P1K1006-MSD1)

Source: 1K08008-70

Prepared: 11/10/21 Analyzed: 11/11/21

Chloride	17400	61.0	mg/kg dry	6100	11000	106	80-120	2.28	20
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Batch P1K1008 - * DEFAULT PREP *****

Blank (P1K1008-BLK1)

Prepared & Analyzed: 11/10/21

% Moisture	ND	0.1	%
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1008 - * DEFAULT PREP *****

Blank (P1K1008-BLK2)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK3)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK4)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK5)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK6)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK7)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Duplicate (P1K1008-DUP1)	Source: 1K08008-10		Prepared & Analyzed: 11/10/21							
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P1K1008-DUP2)	Source: 1K08008-20		Prepared & Analyzed: 11/10/21							
% Moisture	17.0	0.1	%		17.0			0.00	20	
Duplicate (P1K1008-DUP3)	Source: 1K08008-35		Prepared & Analyzed: 11/10/21							
% Moisture	15.0	0.1	%		16.0			6.45	20	
Duplicate (P1K1008-DUP4)	Source: 1K08008-45		Prepared & Analyzed: 11/10/21							
% Moisture	14.0	0.1	%		13.0			7.41	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1008 - * DEFAULT PREP *****

Duplicate (P1K1008-DUP5)	Source: 1K08008-60		Prepared & Analyzed: 11/10/21							
% Moisture	16.0	0.1	%		16.0			0.00	20	
Duplicate (P1K1008-DUP6)	Source: 1K08008-70		Prepared & Analyzed: 11/10/21							
% Moisture	17.0	0.1	%		18.0			5.71	20	
Duplicate (P1K1008-DUP7)	Source: 1K08011-08		Prepared & Analyzed: 11/10/21							
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P1K1008-DUP8)	Source: 1K08011-18		Prepared & Analyzed: 11/10/21							
% Moisture	16.0	0.1	%		17.0			6.06	20	
Duplicate (P1K1008-DUP9)	Source: 1K09001-01		Prepared & Analyzed: 11/10/21							
% Moisture	15.0	0.1	%		16.0			6.45	20	
Duplicate (P1K1008-DUPA)	Source: 1K09001-11		Prepared & Analyzed: 11/10/21							
% Moisture	8.0	0.1	%		9.0			11.8	20	
Duplicate (P1K1008-DUPB)	Source: 1K09003-06		Prepared & Analyzed: 11/10/21							
% Moisture	2.0	0.1	%		3.0			40.0	20	R3
Duplicate (P1K1008-DUPC)	Source: 1K09003-16		Prepared & Analyzed: 11/10/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1K1008-DUPD)	Source: 1K09007-01		Prepared & Analyzed: 11/10/21							
% Moisture	4.0	0.1	%		4.0			0.00	20	

Batch P1K1109 - * DEFAULT PREP *****

Blank (P1K1109-BLK1)	Prepared & Analyzed: 11/11/21									
Chloride	ND	1.00	mg/kg wet							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1K1109 - *** DEFAULT PREP ***										
LCS (P1K1109-BS1)				Prepared & Analyzed: 11/11/21						
Chloride	39.6		mg/kg	40.0		98.9	90-110			
LCS Dup (P1K1109-BSD1)				Prepared & Analyzed: 11/11/21						
Chloride	39.4		mg/kg	40.0		98.4	90-110	0.552	10	
Calibration Check (P1K1109-CCV1)				Prepared & Analyzed: 11/11/21						
Chloride	18.8		mg/kg	20.0		93.9	90-110			
Calibration Check (P1K1109-CCV2)				Prepared: 11/11/21 Analyzed: 11/12/21						
Chloride	18.6		mg/kg	20.0		92.9	90-110			
Calibration Check (P1K1109-CCV3)				Prepared: 11/11/21 Analyzed: 11/12/21						
Chloride	19.0		mg/kg	20.0		95.2	90-110			
Matrix Spike (P1K1109-MS1)		Source: 1K09002-03		Prepared & Analyzed: 11/11/21						
Chloride	105	1.06	mg/kg dry	106	7.12	92.4	80-120			
Matrix Spike (P1K1109-MS2)		Source: 1K09003-09		Prepared: 11/11/21 Analyzed: 11/12/21						
Chloride	238	1.06	mg/kg dry	106	120	111	80-120			
Matrix Spike Dup (P1K1109-MSD1)		Source: 1K09002-03		Prepared & Analyzed: 11/11/21						
Chloride	110	1.06	mg/kg dry	106	7.12	96.8	80-120	4.27	20	
Matrix Spike Dup (P1K1109-MSD2)		Source: 1K09003-09		Prepared: 11/11/21 Analyzed: 11/12/21						
Chloride	225	1.06	mg/kg dry	106	120	98.5	80-120	5.71	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1009 - TX 1005

Blank (P1K1009-BLK1)

Prepared & Analyzed: 11/10/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			

LCS (P1K1009-BS1)

Prepared & Analyzed: 11/10/21

C6-C12	1160	25.0	mg/kg wet	1000		116	75-125			
>C12-C28	1160	25.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	61.4		"	50.0		123	70-130			

LCS Dup (P1K1009-BSD1)

Prepared & Analyzed: 11/10/21

C6-C12	918	25.0	mg/kg wet	1000		91.8	75-125	23.0	20	R2
>C12-C28	953	25.0	"	1000		95.3	75-125	19.8	20	
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	49.0		"	50.0		97.9	70-130			

Calibration Check (P1K1009-CCV1)

Prepared & Analyzed: 11/10/21

C6-C12	519	25.0	mg/kg wet	500		104	85-115			
>C12-C28	464	25.0	"	500		92.8	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	49.8		"	50.0		99.6	70-130			

Calibration Check (P1K1009-CCV2)

Prepared: 11/10/21 Analyzed: 11/11/21

C6-C12	426	25.0	mg/kg wet	500		85.3	85-115			
>C12-C28	426	25.0	"	500		85.1	85-115			
Surrogate: 1-Chlorooctane	94.9		"	100		94.9	70-130			
Surrogate: o-Terphenyl	41.1		"	50.0		82.3	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1009 - TX 1005

Calibration Check (P1K1009-CCV3)

Prepared: 11/10/21 Analyzed: 11/11/21

C6-C12	429	25.0	mg/kg wet	500		85.9	85-115			
>C12-C28	431	25.0	"	500		86.2	85-115			
Surrogate: 1-Chlorooctane	94.5		"	100		94.5	70-130			
Surrogate: o-Terphenyl	41.0		"	50.0		81.9	70-130			

Duplicate (P1K1009-DUP1)

Source: 1K09003-10

Prepared: 11/10/21 Analyzed: 11/11/21

C6-C12	15.9	25.3	mg/kg dry		15.4			3.74	20	
>C12-C28	15.1	25.3	"		12.8			15.9	20	
Surrogate: 1-Chlorooctane	115		"	101		114	70-130			
Surrogate: o-Terphenyl	61.8		"	50.5		122	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

R2 The RPD exceeded the acceptance limit.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

11/15/2021

Brent Barron, Laboratory Director/Technical Director

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



Chain of Custody

Work Order No: 1K09002

Page 1 of 1

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Luigi
Company Name:	NTG Environmental	Company Name:	Cinatrex Energy Co.
Address:	701 Tradewinds BLVD	Address:	600 N Martenfield St. #600
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, TX 79701
Phone:	432.813.0263	Email:	llugi@cinatrex.com / 432.208.3035

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name				Triste Draw 25 ROW Spill				Turn Around				Pres. Code				ANALYSIS REQUEST												Preservative Codes							
Project Number:				214707				<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																				None: NO		DI Water: H ₂ O					
Project Location				Lea Co. NM				Due Date:																				Cool: Cool		MeOH: Me					
Sampler's Name:				CRM				TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC		HNO ₃ : HN					
PO #:																												H ₂ SO ₄ : H ₂		NaOH: Na					
SAMPLE RECEIPT								Temp Blank:		Yes No		Wet Ice:		Yes No														H ₃ PO ₄ : HP							
Received Intact:								Yes No		Thermometer ID:		L2																NaHSO ₄ : MABIS							
Cooler Custody Seals:								Yes No N/A		Correction Factor:		+1																Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:								Yes No N/A		Temperature Reading:		9.0																Zn Acetate+NaOH: Zn							
Total Containers:										Corrected Temperature:		10.0																NaOH+Ascorbic Acid: SAPC							
Sample Identification				Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments							
S-1 (5-5-5)				11/8/2021				X				G		1		X		X		X															
S-1 (6-6-5)				11/8/2021				X				G		1		X		X		X															
S-2 (5-5-5)				11/8/2021				X				G		1		X		X		X															
S-2 (6-6-5)				11/8/2021				X				G		1		X		X		X															

Additoinal Comments:

of service. Xencro will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of the client. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencro, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11/9/21 9:58			



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
✓	Chain of custody intact?
✓	Chain of custody signed/dated/time when relinquished and received?
✓	Sample date/time present on COC for all samples?
✓	Samplers name present on COC?
✓	Chain of custody signed/dated/time when relinquished?
✓	Sample containers intact?
✓	Custody seals intact on sample bottles?
✓	Samples in proper container/bottle?
✓	Submittal number volume indicated?
✓	All samples received within holding time?
✓	Samples submitted within appropriate holding time?
✓	Analysis requested for all samples submitted?
✓	Shipping container/cooler in good condition?
✓	Custody seals intact on shipping container/cooler?

Login Notes:

407 Jars

11209002

PBEL_SAMPLE_CHECKLIST_2021_1

Page 1 of 2



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

temp 10.00 on ice

Resolution:

Client Contacted **NO**

Name: _____

Date/Time:

NC Initiated by: TG

Approved by:

PBEL_SAMPLE_CHECKLIST_2021_1

Page 2 of 2

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mike Carmona
NTG Environmental
701 Tradewinds BLVD
Midland, TX 79706

Project: Tristie Draw 25 ROW Spill

Project Number: 214707

Location: Lea County, NM

Lab Order Number: 1K09003



Current Certification

Report Date: 11/16/21

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-16 @ (2')	1K09003-01	Soil	11/08/21 00:00	11-09-2021 09:08
CS-17 @ (2')	1K09003-02	Soil	11/08/21 00:00	11-09-2021 09:08
CS-18 @ (2')	1K09003-03	Soil	11/08/21 00:00	11-09-2021 09:08
CS-19 @ (4')	1K09003-04	Soil	11/08/21 00:00	11-09-2021 09:08
CS-20 @ (4')	1K09003-05	Soil	11/08/21 00:00	11-09-2021 09:08
CS-21 @ (4')	1K09003-06	Soil	11/08/21 00:00	11-09-2021 09:08
CS-22 @ (4')	1K09003-07	Soil	11/08/21 00:00	11-09-2021 09:08
CS-23 @ (4')	1K09003-08	Soil	11/08/21 00:00	11-09-2021 09:08
CS-24 @ (4')	1K09003-09	Soil	11/08/21 00:00	11-09-2021 09:08
CS-25 @ (4')	1K09003-10	Soil	11/08/21 00:00	11-09-2021 09:08
CS-26 @ (4')	1K09003-11	Soil	11/08/21 00:00	11-09-2021 09:08
CS-27 @ (4')	1K09003-12	Soil	11/08/21 00:00	11-09-2021 09:08
CS-28 @ (4')	1K09003-13	Soil	11/08/21 00:00	11-09-2021 09:08
CS-29 @ (4')	1K09003-14	Soil	11/08/21 00:00	11-09-2021 09:08
CS-30 @ (4')	1K09003-15	Soil	11/08/21 00:00	11-09-2021 09:08
CS-31 @ (4')	1K09003-16	Soil	11/08/21 00:00	11-09-2021 09:08
CS-32 @ (4')	1K09003-17	Soil	11/08/21 00:00	11-09-2021 09:08
CS-33 @ (4')	1K09003-18	Soil	11/08/21 00:00	11-09-2021 09:08
SW-9	1K09003-19	Soil	11/08/21 00:00	11-09-2021 09:08
SW-10	1K09003-20	Soil	11/08/21 00:00	11-09-2021 09:08
SW-11	1K09003-21	Soil	11/08/21 00:00	11-09-2021 09:08
SW-12	1K09003-22	Soil	11/08/21 00:00	11-09-2021 09:08
SW-13	1K09003-23	Soil	11/08/21 00:00	11-09-2021 09:08
SW-14	1K09003-24	Soil	11/08/21 00:00	11-09-2021 09:08
SW-15	1K09003-25	Soil	11/08/21 00:00	11-09-2021 09:08
SW-16	1K09003-26	Soil	11/08/21 00:00	11-09-2021 09:08
SW-17	1K09003-27	Soil	11/08/21 00:00	11-09-2021 09:08
SW-18	1K09003-28	Soil	11/08/21 00:00	11-09-2021 09:08
SW-19	1K09003-29	Soil	11/08/21 00:00	11-09-2021 09:08
SW-20	1K09003-30	Soil	11/08/21 00:00	11-09-2021 09:08

The RPD between the LCS/LCSD was above the quality control limits, however the individual recoveries for the amount spiked were within acceptance limits.

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-16 @ (2')
1K09003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00111	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.6 %		80-120		P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P1K0905	11/09/21 13:30	11/09/21 18:07	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17.4	1.11	mg/kg dry	1	P1K1109	11/11/21 16:00	11/11/21 22:17	EPA 300.0	
% Moisture	10.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 02:50	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 02:50	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 02:50	TPH 8015M	
Surrogate: 1-Chlorooctane	98.2 %		70-130		P1K1009	11/10/21 14:00	11/11/21 02:50	TPH 8015M	
Surrogate: o-Terphenyl	107 %		70-130		P1K1009	11/10/21 14:00	11/11/21 02:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 02:50	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-17 @ (2')
1K09003-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0905	11/09/21 13:30	11/09/21 18:28	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.8	1.01	mg/kg dry	1	P1K1109	11/11/21 16:00	11/11/21 22:32	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 03:13	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 03:13	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 03:13	TPH 8015M	
Surrogate: 1-Chlorooctane	109 %		70-130		P1K1009	11/10/21 14:00	11/11/21 03:13	TPH 8015M	
Surrogate: o-Terphenyl	118 %		70-130		P1K1009	11/10/21 14:00	11/11/21 03:13	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 03:13	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-18 @ (2')
1K09003-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.5 %		80-120		P1K0905	11/09/21 13:30	11/09/21 18:49	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.81	1.00	mg/kg dry	1	P1K1109	11/11/21 16:00	11/11/21 22:48	EPA 300.0	
% Moisture	ND	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 03:36	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 03:36	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 03:36	TPH 8015M	
Surrogate: 1-Chlorooctane	103 %		70-130		P1K1009	11/10/21 14:00	11/11/21 03:36	TPH 8015M	
Surrogate: o-Terphenyl	112 %		70-130		P1K1009	11/10/21 14:00	11/11/21 03:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 03:36	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-19 @ (4')
1K09003-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00127	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	
Toluene	ND	0.00127	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	
Ethylbenzene	ND	0.00127	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	
Xylene (p/m)	ND	0.00253	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	
Xylene (o)	ND	0.00127	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK0905	11/09/21 13:30	11/09/21 19:10	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4360	12.7	mg/kg dry	10	PIK1109	11/11/21 16:00	11/11/21 23:03	EPA 300.0	
% Moisture	21.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	31.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 03:59	TPH 8015M	
>C12-C28	ND	31.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 03:59	TPH 8015M	
>C28-C35	ND	31.6	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 03:59	TPH 8015M	
Surrogate: 1-Chlorooctane	106 %		70-130		PIK1009	11/10/21 14:00	11/11/21 03:59	TPH 8015M	
Surrogate: o-Terphenyl	115 %		70-130		PIK1009	11/10/21 14:00	11/11/21 03:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	31.6	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 03:59	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-20 @ (4')
1K09003-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.4 %		80-120		P1K0905	11/09/21 13:30	11/09/21 19:31	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	183	1.06	mg/kg dry	1	P1K1109	11/11/21 16:00	11/11/21 23:18	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 04:22	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 04:22	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 04:22	TPH 8015M	
Surrogate: 1-Chlorooctane	114 %		70-130		P1K1009	11/10/21 14:00	11/11/21 04:22	TPH 8015M	
Surrogate: o-Terphenyl	124 %		70-130		P1K1009	11/10/21 14:00	11/11/21 04:22	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 04:22	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-21 @ (4')
1K09003-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.6 %		80-120		PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	102 %		80-120		PIK0905	11/09/21 13:30	11/09/21 20:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	350	1.03	mg/kg dry	1	PIK1109	11/11/21 16:00	11/11/21 23:33	EPA 300.0	
% Moisture	3.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 04:45	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 04:45	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 04:45	TPH 8015M	
Surrogate: 1-Chlorooctane	107 %		70-130		PIK1009	11/10/21 14:00	11/11/21 04:45	TPH 8015M	
Surrogate: o-Terphenyl	116 %		70-130		PIK1009	11/10/21 14:00	11/11/21 04:45	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 04:45	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-22 @ (4')
1K09003-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.9 %		80-120		P1K0905	11/09/21 13:30	11/09/21 20:55	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	666	1.06	mg/kg dry	1	P1K1109	11/11/21 16:00	11/11/21 23:49	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 05:08	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 05:08	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 05:08	TPH 8015M	
Surrogate: 1-Chlorooctane	99.3 %		70-130		P1K1009	11/10/21 14:00	11/11/21 05:08	TPH 8015M	
Surrogate: o-Terphenyl	110 %		70-130		P1K1009	11/10/21 14:00	11/11/21 05:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 05:08	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-23 @ (4')
1K09003-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		P1K0905	11/09/21 13:30	11/09/21 21:16	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2800	10.5	mg/kg dry	10	P1K1109	11/11/21 16:00	11/12/21 00:04	EPA 300.0	
% Moisture	5.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 05:31	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 05:31	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 05:31	TPH 8015M	
Surrogate: 1-Chlorooctane	99.6 %		70-130		P1K1009	11/10/21 14:00	11/11/21 05:31	TPH 8015M	
Surrogate: o-Terphenyl	109 %		70-130		P1K1009	11/10/21 14:00	11/11/21 05:31	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 05:31	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-24 @ (4')
1K09003-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.4 %		80-120		P1K0905	11/09/21 13:30	11/09/21 21:38	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	120	1.06	mg/kg dry	1	P1K1109	11/11/21 16:00	11/12/21 00:50	EPA 300.0	
% Moisture	6.0	0.1	%	1	P1K1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 08:31	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 08:31	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1K1009	11/10/21 14:00	11/11/21 08:31	TPH 8015M	
Surrogate: 1-Chlorooctane	160 %		70-130		P1K1009	11/10/21 14:00	11/11/21 08:31	TPH 8015M	S-GC1
Surrogate: o-Terphenyl	175 %		70-130		P1K1009	11/10/21 14:00	11/11/21 08:31	TPH 8015M	S-GC1
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 08:31	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-25 @ (4')
1K09003-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK0905	11/09/21 13:30	11/09/21 21:59	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	45.6	1.01	mg/kg dry	1	PIK1109	11/11/21 16:00	11/12/21 01:35	EPA 300.0	
% Moisture	1.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 06:17	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 06:17	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	PIK1009	11/10/21 14:00	11/11/21 06:17	TPH 8015M	
Surrogate: 1-Chlorooctane	92.5 %		70-130		PIK1009	11/10/21 14:00	11/11/21 06:17	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		PIK1009	11/10/21 14:00	11/11/21 06:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/10/21 14:00	11/11/21 06:17	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-26 @ (4')
1K09003-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.4 %		80-120		PIK0905	11/09/21 13:30	11/09/21 22:20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	49.7	1.02	mg/kg dry	1	PIK1109	11/11/21 16:00	11/12/21 01:51	EPA 300.0	
% Moisture	2.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 16:33	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 16:33	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 16:33	TPH 8015M	
Surrogate: 1-Chlorooctane	98.5 %		70-130		PIK1010	11/11/21 08:30	11/11/21 16:33	TPH 8015M	
Surrogate: o-Terphenyl	102 %		70-130		PIK1010	11/11/21 08:30	11/11/21 16:33	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 16:33	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-27 @ (4')
1K09003-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00104	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		PIK0905	11/09/21 13:30	11/09/21 22:41	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2790	10.4	mg/kg dry	10	PIK1109	11/11/21 16:00	11/12/21 02:06	EPA 300.0	
% Moisture	4.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 16:56	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 16:56	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 16:56	TPH 8015M	
Surrogate: 1-Chlorooctane	89.6 %		70-130		PIK1010	11/11/21 08:30	11/11/21 16:56	TPH 8015M	
Surrogate: o-Terphenyl	91.9 %		70-130		PIK1010	11/11/21 08:30	11/11/21 16:56	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 16:56	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-28 @ (4')
1K09003-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.7 %		80-120		PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK0905	11/09/21 13:30	11/09/21 23:02	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	958	1.03	mg/kg dry	1	PIK1109	11/11/21 16:00	11/12/21 02:21	EPA 300.0	
% Moisture	3.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 17:18	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 17:18	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 17:18	TPH 8015M	
Surrogate: 1-Chlorooctane	82.9 %		70-130		PIK1010	11/11/21 08:30	11/11/21 17:18	TPH 8015M	
Surrogate: o-Terphenyl	85.7 %		70-130		PIK1010	11/11/21 08:30	11/11/21 17:18	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 17:18	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-29 @ (4')
1K09003-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00108	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		PIK0905	11/09/21 13:30	11/09/21 23:24	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4260	26.9	mg/kg dry	25	PIK1109	11/11/21 16:00	11/12/21 02:36	EPA 300.0	
% Moisture	7.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 17:41	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 17:41	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 17:41	TPH 8015M	
Surrogate: 1-Chlorooctane	80.7 %		70-130		PIK1010	11/11/21 08:30	11/11/21 17:41	TPH 8015M	
Surrogate: o-Terphenyl	83.7 %		70-130		PIK1010	11/11/21 08:30	11/11/21 17:41	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 17:41	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-30 @ (4')
1K09003-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.8 %		80-120		PIK0905	11/09/21 13:30	11/09/21 23:45	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1630	5.26	mg/kg dry	5	PIK1109	11/11/21 16:00	11/12/21 02:52	EPA 300.0	
% Moisture	5.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:04	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:04	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:04	TPH 8015M	
Surrogate: 1-Chlorooctane	81.1 %		70-130		PIK1010	11/11/21 08:30	11/11/21 18:04	TPH 8015M	
Surrogate: o-Terphenyl	84.0 %		70-130		PIK1010	11/11/21 08:30	11/11/21 18:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 18:04	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-31 @ (4')
1K09003-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		PIK1001	11/10/21 09:44	11/10/21 15:02	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	3880	10.6	mg/kg dry	10	PIK1109	11/11/21 16:00	11/12/21 03:07	EPA 300.0	
% Moisture	6.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:27	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:27	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:27	TPH 8015M	
Surrogate: 1-Chlorooctane	78.3 %		70-130		PIK1010	11/11/21 08:30	11/11/21 18:27	TPH 8015M	
Surrogate: o-Terphenyl	81.6 %		70-130		PIK1010	11/11/21 08:30	11/11/21 18:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 18:27	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-32 @ (4')
1K09003-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		PIK1001	11/10/21 09:44	11/10/21 15:23	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2080	10.3	mg/kg dry	10	PIK1109	11/11/21 16:00	11/12/21 03:22	EPA 300.0	
% Moisture	3.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:50	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:50	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 18:50	TPH 8015M	
Surrogate: 1-Chlorooctane	81.2 %		70-130		PIK1010	11/11/21 08:30	11/11/21 18:50	TPH 8015M	
Surrogate: o-Terphenyl	85.6 %		70-130		PIK1010	11/11/21 08:30	11/11/21 18:50	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 18:50	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

CS-33 @ (4')
1K09003-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		PIK1001	11/10/21 09:44	11/10/21 15:44	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.7	1.06	mg/kg dry	1	PIK1109	11/11/21 16:00	11/12/21 03:38	EPA 300.0	
% Moisture	6.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:13	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:13	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:13	TPH 8015M	
Surrogate: 1-Chlorooctane	82.0 %		70-130		PIK1010	11/11/21 08:30	11/11/21 19:13	TPH 8015M	
Surrogate: o-Terphenyl	85.9 %		70-130		PIK1010	11/11/21 08:30	11/11/21 19:13	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 19:13	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-9
1K09003-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	97.9 %		80-120		PIK1001	11/10/21 09:44	11/10/21 16:06	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	21.8	1.01	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 12:39	EPA 300.0	
% Moisture	1.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:36	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:36	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:36	TPH 8015M	
Surrogate: 1-Chlorooctane	82.2 %		70-130		PIK1010	11/11/21 08:30	11/11/21 19:36	TPH 8015M	
Surrogate: o-Terphenyl	85.8 %		70-130		PIK1010	11/11/21 08:30	11/11/21 19:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 19:36	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-10
1K09003-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	113 %		80-120		PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	108 %		80-120		PIK1001	11/10/21 09:44	11/10/21 16:27	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	252	1.01	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 12:54	EPA 300.0	
% Moisture	1.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:59	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:59	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 19:59	TPH 8015M	
Surrogate: 1-Chlorooctane	81.4 %		70-130		PIK1010	11/11/21 08:30	11/11/21 19:59	TPH 8015M	
Surrogate: o-Terphenyl	85.2 %		70-130		PIK1010	11/11/21 08:30	11/11/21 19:59	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 19:59	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-11
1K09003-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		PIK1001	11/10/21 09:44	11/10/21 16:48	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	162	1.03	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 13:09	EPA 300.0	
% Moisture	3.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:08	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:08	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:08	TPH 8015M	
Surrogate: 1-Chlorooctane	80.1 %		70-130		PIK1010	11/11/21 08:30	11/11/21 21:08	TPH 8015M	
Surrogate: o-Terphenyl	83.7 %		70-130		PIK1010	11/11/21 08:30	11/11/21 21:08	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 21:08	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-12
1K09003-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	107 %		80-120		PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		PIK1001	11/10/21 09:44	11/10/21 17:09	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.85	1.06	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 13:25	EPA 300.0	
% Moisture	6.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:31	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:31	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:31	TPH 8015M	
Surrogate: 1-Chlorooctane	79.2 %		70-130		PIK1010	11/11/21 08:30	11/11/21 21:31	TPH 8015M	
Surrogate: o-Terphenyl	82.5 %		70-130		PIK1010	11/11/21 08:30	11/11/21 21:31	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 21:31	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-13
1K09003-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.1 %		80-120		PIK1001	11/10/21 09:44	11/10/21 18:13	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.8	1.03	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 13:40	EPA 300.0	
% Moisture	3.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:54	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:54	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 21:54	TPH 8015M	
Surrogate: 1-Chlorooctane	77.3 %		70-130		PIK1010	11/11/21 08:30	11/11/21 21:54	TPH 8015M	
Surrogate: o-Terphenyl	80.9 %		70-130		PIK1010	11/11/21 08:30	11/11/21 21:54	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 21:54	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-14
1K09003-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.1 %		80-120		PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	105 %		80-120		PIK1001	11/10/21 09:44	11/10/21 18:34	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.45	1.01	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 13:55	EPA 300.0	
% Moisture	1.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 22:17	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 22:17	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 22:17	TPH 8015M	
Surrogate: 1-Chlorooctane	77.1 %		70-130		PIK1010	11/11/21 08:30	11/11/21 22:17	TPH 8015M	
Surrogate: o-Terphenyl	80.8 %		70-130		PIK1010	11/11/21 08:30	11/11/21 22:17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 22:17	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-15
1K09003-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.2 %		80-120		PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK1001	11/10/21 09:44	11/10/21 18:56	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.80	1.00	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 14:10	EPA 300.0	
% Moisture	ND	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 22:40	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 22:40	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 22:40	TPH 8015M	
Surrogate: 1-Chlorooctane	75.6 %		70-130		PIK1010	11/11/21 08:30	11/11/21 22:40	TPH 8015M	
Surrogate: o-Terphenyl	79.1 %		70-130		PIK1010	11/11/21 08:30	11/11/21 22:40	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 22:40	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-16
1K09003-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00102	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	104 %		80-120		PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.5 %		80-120		PIK1001	11/10/21 09:44	11/10/21 19:17	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.38	1.02	mg/kg dry	1	PIK1216	11/12/21 15:48	11/13/21 14:26	EPA 300.0	
% Moisture	2.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:04	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:04	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:04	TPH 8015M	
Surrogate: 1-Chlorooctane	72.7 %		70-130		PIK1010	11/11/21 08:30	11/11/21 23:04	TPH 8015M	
Surrogate: o-Terphenyl	76.2 %		70-130		PIK1010	11/11/21 08:30	11/11/21 23:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 23:04	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-17
1K09003-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	99.0 %		80-120		PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK1001	11/10/21 09:44	11/10/21 19:38	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.05	1.06	mg/kg dry	1	PIK1217	11/12/21 16:50	11/16/21 00:00	EPA 300.0	
% Moisture	6.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:27	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:27	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:27	TPH 8015M	
Surrogate: 1-Chlorooctane	75.6 %		70-130		PIK1010	11/11/21 08:30	11/11/21 23:27	TPH 8015M	
Surrogate: o-Terphenyl	79.3 %		70-130		PIK1010	11/11/21 08:30	11/11/21 23:27	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 23:27	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-18
1K09003-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	103 %		80-120		PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	106 %		80-120		PIK1001	11/10/21 09:44	11/10/21 19:59	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	PIK1217	11/12/21 16:50	11/16/21 00:45	EPA 300.0	
% Moisture	ND	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:51	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:51	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/11/21 23:51	TPH 8015M	
Surrogate: 1-Chlorooctane	74.3 %		70-130		PIK1010	11/11/21 08:30	11/11/21 23:51	TPH 8015M	
Surrogate: o-Terphenyl	78.6 %		70-130		PIK1010	11/11/21 08:30	11/11/21 23:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/11/21 08:30	11/11/21 23:51	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-19
1K09003-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.9 %		80-120		PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK1001	11/10/21 09:44	11/10/21 20:21	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.61	1.01	mg/kg dry	1	PIK1217	11/12/21 16:50	11/16/21 01:01	EPA 300.0	
% Moisture	1.0	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/12/21 00:14	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/12/21 00:14	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	PIK1010	11/11/21 08:30	11/12/21 00:14	TPH 8015M	
Surrogate: 1-Chlorooctane	75.0 %		70-130		PIK1010	11/11/21 08:30	11/12/21 00:14	TPH 8015M	
Surrogate: o-Terphenyl	79.7 %		70-130		PIK1010	11/11/21 08:30	11/12/21 00:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	11/11/21 08:30	11/12/21 00:14	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

SW-20
1K09003-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	98.6 %		80-120		PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		PIK1001	11/10/21 09:44	11/10/21 20:42	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	PIK1217	11/12/21 16:50	11/16/21 01:16	EPA 300.0	
% Moisture	ND	0.1	%	1	PIK1008	11/10/21 13:13	11/10/21 13:27	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/12/21 00:38	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/12/21 00:38	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	PIK1010	11/11/21 08:30	11/12/21 00:38	TPH 8015M	
Surrogate: 1-Chlorooctane	77.5 %		70-130		PIK1010	11/11/21 08:30	11/12/21 00:38	TPH 8015M	
Surrogate: o-Terphenyl	82.0 %		70-130		PIK1010	11/11/21 08:30	11/12/21 00:38	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	11/11/21 08:30	11/12/21 00:38	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0905 - * DEFAULT PREP *****

Blank (P1K0905-BLK1)

Prepared & Analyzed: 11/09/21

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.129		"	0.124		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.124		101	80-120			

LCS (P1K0905-BS1)

Prepared & Analyzed: 11/09/21

Benzene	0.0807	0.00100	mg/kg wet	0.0865		93.3	70-130			
Toluene	0.0822	0.00100	"	0.0865		95.0	70-130			
Ethylbenzene	0.0908	0.00100	"	0.0865		105	70-130			
Xylene (p/m)	0.188	0.00200	"	0.173		109	70-130			
Xylene (o)	0.0844	0.00100	"	0.0865		97.6	70-130			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.104		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.104		105	80-120			

LCS Dup (P1K0905-BSD1)

Prepared & Analyzed: 11/09/21

Benzene	0.0809	0.00100	mg/kg wet	0.0977		82.8	70-130	11.9	20	
Toluene	0.0804	0.00100	"	0.0977		82.4	70-130	14.3	20	
Ethylbenzene	0.0896	0.00100	"	0.0977		91.7	70-130	13.5	20	
Xylene (p/m)	0.185	0.00200	"	0.195		94.6	70-130	14.1	20	
Xylene (o)	0.0828	0.00100	"	0.0977		84.8	70-130	14.1	20	
Surrogate: 1,4-Difluorobenzene	0.122		"	0.117		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.117		105	80-120			

Calibration Blank (P1K0905-CCB1)

Prepared & Analyzed: 11/09/21

Benzene	0.00		mg/kg wet							
Toluene	0.290		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	80-120			

Permian Basin Environmental Lab, L.P.

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Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0905 - * DEFAULT PREP *****

Calibration Blank (P1K0905-CCB2)

Prepared & Analyzed: 11/09/21

Benzene	0.00		mg/kg wet							
Toluene	0.410		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.160		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		93.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Check (P1K0905-CCV1)

Prepared & Analyzed: 11/09/21

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

Calibration Check (P1K0905-CCV2)

Prepared & Analyzed: 11/09/21

Benzene	0.119	0.00100	mg/kg wet	0.100		119	80-120			
Toluene	0.117	0.00100	"	0.100		117	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	75-125			

Calibration Check (P1K0905-CCV3)

Prepared: 11/09/21 Analyzed: 11/10/21

Benzene	0.115	0.00100	mg/kg wet	0.100		115	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.236	0.00200	"	0.200		118	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.6	75-125			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K0905 - * DEFAULT PREP *****

Matrix Spike (P1K0905-MS1)		Source: 1K09002-01		Prepared: 11/09/21		Analyzed: 11/10/21				
Benzene	0.0775	0.00104	mg/kg dry	0.0871	ND	89.0	80-120			
Toluene	0.0781	0.00104	"	0.0871	ND	89.6	80-120			
Ethylbenzene	0.0850	0.00104	"	0.0871	ND	97.6	80-120			
Xylene (p/m)	0.172	0.00208	"	0.174	ND	98.9	80-120			
Xylene (o)	0.0771	0.00104	"	0.0871	ND	88.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.105		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.112		"	0.105		108	80-120			

Matrix Spike Dup (P1K0905-MSD1)		Source: 1K09002-01		Prepared: 11/09/21		Analyzed: 11/10/21				
Benzene	0.108	0.00104	mg/kg dry	0.114	ND	95.0	80-120	6.52	20	
Toluene	0.109	0.00104	"	0.114	ND	96.0	80-120	6.82	20	
Ethylbenzene	0.117	0.00104	"	0.114	ND	103	80-120	5.07	20	
Xylene (p/m)	0.239	0.00208	"	0.228	ND	105	80-120	5.70	20	
Xylene (o)	0.108	0.00104	"	0.114	ND	94.8	80-120	6.77	20	
Surrogate: 1,4-Difluorobenzene	0.145		"	0.137		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.143		"	0.137		104	80-120			

Batch P1K1001 - * DEFAULT PREP *****

Blank (P1K1001-BLK1)				Prepared & Analyzed: 11/10/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.123		"	0.121		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.121		95.4	80-120			

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
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Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1001 - * DEFAULT PREP *****

LCS (P1K1001-BS1)

Prepared & Analyzed: 11/10/21

Benzene	0.102	0.00100	mg/kg wet	0.0969		105	70-130			
Toluene	0.111	0.00100	"	0.0969		114	70-130			
Ethylbenzene	0.113	0.00100	"	0.0969		116	70-130			
Xylene (p/m)	0.232	0.00200	"	0.194		120	70-130			
Xylene (o)	0.112	0.00100	"	0.0969		116	70-130			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.116		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.116		101	80-120			

LCS Dup (P1K1001-BSD1)

Prepared & Analyzed: 11/10/21

Benzene	0.104	0.00100	mg/kg wet	0.101		103	70-130	2.29	20	
Toluene	0.111	0.00100	"	0.101		110	70-130	3.58	20	
Ethylbenzene	0.109	0.00100	"	0.101		109	70-130	6.83	20	
Xylene (p/m)	0.235	0.00200	"	0.201		117	70-130	2.60	20	
Xylene (o)	0.114	0.00100	"	0.101		113	70-130	2.53	20	
Surrogate: 1,4-Difluorobenzene	0.128		"	0.121		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.121		106	80-120			

Calibration Blank (P1K1001-CCB1)

Prepared & Analyzed: 11/10/21

Benzene	0.00		mg/kg wet							
Toluene	0.240		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.0	80-120			

Calibration Blank (P1K1001-CCB2)

Prepared & Analyzed: 11/10/21

Benzene	0.00		mg/kg wet							
Toluene	0.230		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.160		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1001 - * DEFAULT PREP *****

Calibration Blank (P1K1001-CCB3)

Prepared & Analyzed: 11/10/21

Benzene	0.00		mg/kg wet							
Toluene	0.290		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.380		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			

Calibration Check (P1K1001-CCV1)

Prepared & Analyzed: 11/10/21

Benzene	0.110	0.00100	mg/kg wet	0.100		110	80-120			
Toluene	0.116	0.00100	"	0.100		116	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	75-125			

Calibration Check (P1K1001-CCV2)

Prepared & Analyzed: 11/10/21

Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.120	0.00100	"	0.100		120	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		104	75-125			

Calibration Check (P1K1001-CCV3)

Prepared & Analyzed: 11/10/21

Benzene	0.0968	0.00100	mg/kg wet	0.100		96.8	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		117	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1001 - * DEFAULT PREP *****

Matrix Spike (P1K1001-MS1)		Source: 1K10001-01			Prepared & Analyzed: 11/10/21					
Benzene	0.0781	0.00103	mg/kg dry	0.103	ND	75.7	80-120			QM-07
Toluene	0.0929	0.00103	"	0.103	0.0163	74.3	80-120			QM-07
Ethylbenzene	0.131	0.00103	"	0.103	0.0460	82.7	80-120			
Xylene (p/m)	0.417	0.00206	"	0.206	0.187	112	80-120			
Xylene (o)	0.177	0.00103	"	0.103	0.0799	93.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.124		99.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.146		"	0.124		118	80-120			

Matrix Spike Dup (P1K1001-MSD1)		Source: 1K10001-01			Prepared & Analyzed: 11/10/21					
Benzene	0.0836	0.00103	mg/kg dry	0.103	ND	81.1	80-120	6.86	20	
Toluene	0.0866	0.00103	"	0.103	0.0163	68.2	80-120	8.52	20	QM-07
Ethylbenzene	0.0998	0.00103	"	0.103	0.0460	52.2	80-120	45.1	20	QM-07
Xylene (p/m)	0.297	0.00206	"	0.206	0.187	53.5	80-120	70.5	20	QM-07
Xylene (o)	0.128	0.00103	"	0.103	0.0799	46.8	80-120	67.1	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.171		"	0.124		138	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.148		"	0.124		119	80-120			

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NTG Environmental
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Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1K1008 - *** DEFAULT PREP ***										
Blank (P1K1008-BLK1)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK2)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK3)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK4)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK5)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK6)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Blank (P1K1008-BLK7)	Prepared & Analyzed: 11/10/21									
% Moisture	ND	0.1	%							
Duplicate (P1K1008-DUP1)	Source: 1K08008-10		Prepared & Analyzed: 11/10/21							
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P1K1008-DUP2)	Source: 1K08008-20		Prepared & Analyzed: 11/10/21							
% Moisture	17.0	0.1	%		17.0			0.00	20	
Duplicate (P1K1008-DUP3)	Source: 1K08008-35		Prepared & Analyzed: 11/10/21							
% Moisture	15.0	0.1	%		16.0			6.45	20	

Permian Basin Environmental Lab, L.P.

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NTG Environmental
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Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1008 - * DEFAULT PREP *****

Duplicate (P1K1008-DUP4)	Source: 1K08008-45		Prepared & Analyzed: 11/10/21							
% Moisture	14.0	0.1	%		13.0			7.41	20	
Duplicate (P1K1008-DUP5)	Source: 1K08008-60		Prepared & Analyzed: 11/10/21							
% Moisture	16.0	0.1	%		16.0			0.00	20	
Duplicate (P1K1008-DUP6)	Source: 1K08008-70		Prepared & Analyzed: 11/10/21							
% Moisture	17.0	0.1	%		18.0			5.71	20	
Duplicate (P1K1008-DUP7)	Source: 1K08011-08		Prepared & Analyzed: 11/10/21							
% Moisture	15.0	0.1	%		15.0			0.00	20	
Duplicate (P1K1008-DUP8)	Source: 1K08011-18		Prepared & Analyzed: 11/10/21							
% Moisture	16.0	0.1	%		17.0			6.06	20	
Duplicate (P1K1008-DUP9)	Source: 1K09001-01		Prepared & Analyzed: 11/10/21							
% Moisture	15.0	0.1	%		16.0			6.45	20	
Duplicate (P1K1008-DUPA)	Source: 1K09001-11		Prepared & Analyzed: 11/10/21							
% Moisture	8.0	0.1	%		9.0			11.8	20	
Duplicate (P1K1008-DUPB)	Source: 1K09003-06		Prepared & Analyzed: 11/10/21							
% Moisture	2.0	0.1	%		3.0			40.0	20	R3
Duplicate (P1K1008-DUPC)	Source: 1K09003-16		Prepared & Analyzed: 11/10/21							
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1K1008-DUPD)	Source: 1K09007-01		Prepared & Analyzed: 11/10/21							
% Moisture	4.0	0.1	%		4.0			0.00	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1109 - * DEFAULT PREP *****

Blank (P1K1109-BLK1)

Prepared & Analyzed: 11/11/21

Chloride	ND	1.00	mg/kg wet
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LCS (P1K1109-BS1)

Prepared & Analyzed: 11/11/21

Chloride	39.6		mg/kg	40.0	98.9	90-110
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LCS Dup (P1K1109-BSD1)

Prepared & Analyzed: 11/11/21

Chloride	39.4		mg/kg	40.0	98.4	90-110	0.552	10
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Calibration Check (P1K1109-CCV1)

Prepared & Analyzed: 11/11/21

Chloride	18.8		mg/kg	20.0	93.9	90-110
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Calibration Check (P1K1109-CCV2)

Prepared: 11/11/21 Analyzed: 11/12/21

Chloride	18.6		mg/kg	20.0	92.9	90-110
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Calibration Check (P1K1109-CCV3)

Prepared: 11/11/21 Analyzed: 11/12/21

Chloride	19.0		mg/kg	20.0	95.2	90-110
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Matrix Spike (P1K1109-MS1)

Source: 1K09002-03

Prepared & Analyzed: 11/11/21

Chloride	105	1.06	mg/kg dry	106	7.12	92.4	80-120
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Matrix Spike (P1K1109-MS2)

Source: 1K09003-09

Prepared: 11/11/21 Analyzed: 11/12/21

Chloride	238	1.06	mg/kg dry	106	120	111	80-120
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Matrix Spike Dup (P1K1109-MSD1)

Source: 1K09002-03

Prepared & Analyzed: 11/11/21

Chloride	110	1.06	mg/kg dry	106	7.12	96.8	80-120	4.27	20
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Matrix Spike Dup (P1K1109-MSD2)

Source: 1K09003-09

Prepared: 11/11/21 Analyzed: 11/12/21

Chloride	225	1.06	mg/kg dry	106	120	98.5	80-120	5.71	20
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1216 - * DEFAULT PREP *****

Blank (P1K1216-BLK1)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	ND	1.00	mg/kg wet
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LCS (P1K1216-BS1)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	38.0		mg/kg	40.0	95.1	90-110
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LCS Dup (P1K1216-BSD1)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	36.9		mg/kg	40.0	92.1	90-110	3.15	10
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Calibration Blank (P1K1216-CCB1)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	0.00		mg/kg wet
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Calibration Blank (P1K1216-CCB2)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	0.00		mg/kg wet
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Calibration Check (P1K1216-CCV1)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	19.1		mg/kg	20.0	95.4	90-110
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Calibration Check (P1K1216-CCV2)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	18.7		mg/kg	20.0	93.4	90-110
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Calibration Check (P1K1216-CCV3)

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	19.0		mg/kg	20.0	95.1	90-110
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Matrix Spike (P1K1216-MS1)

Source: 1K12003-37

Prepared: 11/12/21 Analyzed: 11/15/21

Chloride	526	1.11	mg/kg dry	556	8.37	93.2	80-120
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Matrix Spike (P1K1216-MS2)

Source: 1K12003-47

Prepared: 11/12/21 Analyzed: 11/13/21

Chloride	24100	56.2	mg/kg dry	5620	18800	94.2	80-120
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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1K1216 - *** DEFAULT PREP ***										
Matrix Spike Dup (P1K1216-MSD1)		Source: 1K12003-37		Prepared: 11/12/21		Analyzed: 11/15/21				
Chloride	526	1.11	mg/kg dry	556	8.37	93.3	80-120	0.0887	20	
Matrix Spike Dup (P1K1216-MSD2)		Source: 1K12003-47		Prepared: 11/12/21		Analyzed: 11/13/21				
Chloride	24500	56.2	mg/kg dry	5620	18800	102	80-120	1.72	20	
Batch P1K1217 - *** DEFAULT PREP ***										
Blank (P1K1217-BLK1)				Prepared: 11/12/21		Analyzed: 11/15/21				
Chloride	ND	1.00	mg/kg wet							
LCS (P1K1217-BS1)				Prepared: 11/12/21		Analyzed: 11/15/21				
Chloride	38.8		mg/kg	40.0		96.9	90-110			
LCS Dup (P1K1217-BSD1)				Prepared: 11/12/21		Analyzed: 11/15/21				
Chloride	37.3		mg/kg	40.0		93.3	90-110	3.73	10	
Calibration Blank (P1K1217-CCB1)				Prepared: 11/12/21		Analyzed: 11/15/21				
Chloride	0.00		mg/kg wet							
Calibration Blank (P1K1217-CCB2)				Prepared: 11/12/21		Analyzed: 11/16/21				
Chloride	0.00		mg/kg wet							
Calibration Check (P1K1217-CCV1)				Prepared: 11/12/21		Analyzed: 11/15/21				
Chloride	19.3		mg/kg	20.0		96.5	90-110			
Calibration Check (P1K1217-CCV2)				Prepared: 11/12/21		Analyzed: 11/16/21				
Chloride	19.2		mg/kg	20.0		96.2	90-110			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1217 - * DEFAULT PREP *****

Calibration Check (P1K1217-CCV3)

Prepared: 11/12/21 Analyzed: 11/16/21

Chloride	18.3		mg/kg	20.0		91.7	90-110			
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Matrix Spike (P1K1217-MS1)

Source: 1K09003-27

Prepared: 11/12/21 Analyzed: 11/16/21

Chloride	497	1.06	mg/kg dry	532	6.05	92.3	80-120			
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Matrix Spike (P1K1217-MS2)

Source: 1K10003-07

Prepared: 11/12/21 Analyzed: 11/16/21

Chloride	671	1.00	mg/kg dry	500	163	102	80-120			
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Matrix Spike Dup (P1K1217-MSD1)

Source: 1K09003-27

Prepared: 11/12/21 Analyzed: 11/16/21

Chloride	479	1.06	mg/kg dry	532	6.05	88.9	80-120	3.67	20	
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Matrix Spike Dup (P1K1217-MSD2)

Source: 1K10003-07

Prepared: 11/12/21 Analyzed: 11/16/21

Chloride	628	1.00	mg/kg dry	500	163	93.1	80-120	6.56	20	
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Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1009 - TX 1005

Blank (P1K1009-BLK1)

Prepared & Analyzed: 11/10/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			

LCS (P1K1009-BS1)

Prepared & Analyzed: 11/10/21

C6-C12	1160	25.0	mg/kg wet	1000		116	75-125			
>C12-C28	1160	25.0	"	1000		116	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	61.4		"	50.0		123	70-130			

LCS Dup (P1K1009-BS1)

Prepared & Analyzed: 11/10/21

C6-C12	918	25.0	mg/kg wet	1000		91.8	75-125	23.0	20	R2
>C12-C28	953	25.0	"	1000		95.3	75-125	19.8	20	
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	49.0		"	50.0		97.9	70-130			

Calibration Check (P1K1009-CCV1)

Prepared & Analyzed: 11/10/21

C6-C12	519	25.0	mg/kg wet	500		104	85-115			
>C12-C28	464	25.0	"	500		92.8	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	49.8		"	50.0		99.6	70-130			

Calibration Check (P1K1009-CCV2)

Prepared: 11/10/21 Analyzed: 11/11/21

C6-C12	426	25.0	mg/kg wet	500		85.3	85-115			
>C12-C28	426	25.0	"	500		85.1	85-115			
Surrogate: 1-Chlorooctane	94.9		"	100		94.9	70-130			
Surrogate: o-Terphenyl	41.1		"	50.0		82.3	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1009 - TX 1005

Calibration Check (P1K1009-CCV3)

Prepared: 11/10/21 Analyzed: 11/11/21

C6-C12	429	25.0	mg/kg wet	500		85.9	85-115			
>C12-C28	431	25.0	"	500		86.2	85-115			
Surrogate: 1-Chlorooctane	94.5		"	100		94.5	70-130			
Surrogate: o-Terphenyl	41.0		"	50.0		81.9	70-130			

Duplicate (P1K1009-DUP1)

Source: 1K09003-10

Prepared: 11/10/21 Analyzed: 11/11/21

C6-C12	15.9	25.3	mg/kg dry		15.4			3.74	20	
>C12-C28	15.1	25.3	"		12.8			15.9	20	
Surrogate: 1-Chlorooctane	115		"	101		114	70-130			
Surrogate: o-Terphenyl	61.8		"	50.5		122	70-130			

Batch P1K1010 - TX 1005

Blank (P1K1010-BLK1)

Prepared & Analyzed: 11/11/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	82.9		"	100		82.9	70-130			
Surrogate: o-Terphenyl	42.6		"	50.0		85.2	70-130			

LCS (P1K1010-BS1)

Prepared & Analyzed: 11/11/21

C6-C12	1120	25.0	mg/kg wet	1000		112	75-125			
>C12-C28	981	25.0	"	1000		98.1	75-125			
Surrogate: 1-Chlorooctane	93.5		"	100		93.5	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.1	70-130			

LCS Dup (P1K1010-BSD1)

Prepared & Analyzed: 11/11/21

C6-C12	1150	25.0	mg/kg wet	1000		115	75-125	2.78	20	
>C12-C28	1010	25.0	"	1000		101	75-125	2.84	20	
Surrogate: 1-Chlorooctane	93.9		"	100		93.9	70-130			
Surrogate: o-Terphenyl	46.5		"	50.0		93.0	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P1K1010 - TX 1005

Calibration Check (P1K1010-CCV1)

Prepared & Analyzed: 11/11/21

C6-C12	561	25.0	mg/kg wet	500		112	85-115			
>C12-C28	507	25.0	"	500		101	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	47.5		"	50.0		95.0	70-130			

Calibration Check (P1K1010-CCV2)

Prepared & Analyzed: 11/11/21

C6-C12	540	25.0	mg/kg wet	500		108	85-115			
>C12-C28	478	25.0	"	500		95.6	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	46.4		"	50.0		92.7	70-130			

Matrix Spike (P1K1010-MS1)

Source: 1K09003-30

Prepared: 11/11/21 Analyzed: 11/12/21

C6-C12	952	25.0	mg/kg dry	1000	24.4	92.8	75-125			
>C12-C28	854	25.0	"	1000	ND	85.4	75-125			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	43.0		"	50.0		85.9	70-130			

Matrix Spike Dup (P1K1010-MSD1)

Source: 1K09003-30

Prepared: 11/11/21 Analyzed: 11/12/21

C6-C12	930	25.0	mg/kg dry	1000	24.4	90.6	75-125	2.36	20	
>C12-C28	817	25.0	"	1000	ND	81.7	75-125	4.43	20	
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	40.9		"	50.0		81.8	70-130			

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

Notes and Definitions

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

R2 The RPD exceeded the acceptance limit.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

NPBEL C Chain of Custody was not generated at PBELAB

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 11/16/2021

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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NTG Environmental
701 Tradewinds BLVD
Midland TX, 79706

Project: Tristie Draw 25 ROW Spill
Project Number: 214707
Project Manager: Mike Carmona

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



Chain of Custody

Work Order No: 1K09003

Page 1 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Lugo
Company Name:	NTG Environmental	Company Name:	Cimarex Energy Co.
Address:	701 Tradewinds Blvd	Address:	600 N Warrenfield St #600
City/State/Zip:	Midland, TX 79706	City/State/Zip:	Midland, TX 79701
Phone:	432.813.0263	Email:	llugo@cimarex.com / 432.208.3035

Work Order Comments:	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number	214707	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0											HOLD	None: NO	DI Water: H ₂ O	
Project Location	Lea Co. NM	Due Date:		TAT starts the day received by the lab, if received by 4:30pm													Cool: Cool	MeOH: Me			
Sampler's Name:	CRM																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No														H ₃ PO ₄ : HP	
Received Inact:	Yes	No		Thermometer ID:	L2															NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:	+1															Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:	9.0															Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:	100															NaOH+Ascorbic Acid: SAPC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-16 (2)	11/8/2021		X		C	1	X	X	X												
CS-17 (2)	11/8/2021		X		C	1	X	X	X												
CS-18 (2)	11/8/2021		X		C	1	X	X	X												
CS-19 (4)	11/8/2021		X		C	1	X	X	X												
CS-20 (4)	11/8/2021		X		C	1	X	X	X												
CS-21 (4)	11/8/2021		X		C	1	X	X	X												
CS-22 (4)	11/8/2021		X		C	1	X	X	X												
CS-23 (4)	11/8/2021		X		C	1	X	X	X												
CS-24 (4)	11/8/2021		X		C	1	X	X	X												
CS-25 (4)	11/8/2021		X			1	X	X	X												

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Mike Carmona</i>	<i>Anna Blodine</i>	11/9/21 9:08			



Chain of Custody

Work Order No: 11C09003

Page 2 of 3

Project Manager:	Mike Carmona	Bill to: (if different)	Laci Luig
Company Name:	NTG Environmental	Company Name:	Cinarax Energy Co.
Address:	701 Tradewinds Blvd	Address:	600 N Marlenfeld St #800
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland, TX 79701
Phone:	432.813.0263	Email:	lluig@cinarax.com / 432.208.3035

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRR <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Triste Draw 25 ROW Spill		Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes
Project Number:	214707																	None: NO
Project Location:	Lea Co. NM		Due Date:															Cool: Cool
Sample's Name:	CRM		TAT starts the day received by the lab, if received by 4:30pm															HCL: HC
PO #:																		H ₂ SO ₄ : H ₂
SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No														H ₃ PO ₄ : HP
Received Inact:	Yes No	Thermometer ID:	12															NaHSO ₄ : MABIS
Cooler Custody Seals:	Yes No N/A	Correction Factor:	+1															Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No N/A	Temperature Reading:	9.0															Zn Acetate+NaOH: Zn
Total Containers:		Corrected Temperature:	10.00															NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	BTX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
CS-26 (4)	11/8/2021		X		C	1	X	X	X			
CS-27 (4)	11/8/2021		X		C	1	X	X	X			
CS-28 (4)	11/8/2021		X		C	1	X	X	X			
CS-29 (4)	11/8/2021		X		C	1	X	X	X			
CS-30 (4)	11/8/2021		X		C	1	X	X	X			
CS-31 (4)	11/8/2021		X		C	1	X	X	X			
CS-32 (4)	11/8/2021		X		C	1	X	X	X			
CS-33 (4)	11/8/2021		X		C	1	X	X	X			
SW-9	11/8/2021		X		C	1	X	X	X			
SW-10	11/8/2021		X		C	1	X	X	X			

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Sam W. [Signature]</i>	<i>Theresa Blodine</i>	11/9/21 9:08			



Work Order No: 1K09003

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Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible][illegible]

Additoinal Comments:

of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Anna M. [Signature]</i>	<i>Shun Bledsoe</i>	11/17/21 9:08			



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	Chain of custody signed/dated/time when relinquished and received?
<input checked="" type="checkbox"/>	Sample date/time present on COC for all samples?
<input checked="" type="checkbox"/>	Samplers name present on COC?
<input checked="" type="checkbox"/>	Chain of custody signed/dated/time when relinquished and received?
<input checked="" type="checkbox"/>	Sample containers intact?
<input checked="" type="checkbox"/>	Do all samples received in sample bottles?
<input checked="" type="checkbox"/>	Samples in proper container/bottle?
<input checked="" type="checkbox"/>	Sufficient sample volume for analysis?
<input checked="" type="checkbox"/>	All samples received within holding time?
<input checked="" type="checkbox"/>	Samples received with appropriate labels?
<input checked="" type="checkbox"/>	Analysis requested for all samples submitted?
<input checked="" type="checkbox"/>	Shipping container/cooler labels correct?
<input checked="" type="checkbox"/>	Custody seals intact on shipping container/cooler?

Login Notes: 402 Jar 1K09003



DOC #: PBEL_SAMPLE_CHECKLIST
REVISION #: PBEL_2021_1
REVISION Date: 10/30/2021
EFFECTIVE DATE: 10/30/2021

SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy: temp 10.0 on ice

Resolution:

Client Contacted NO
Name:
Date/Time:
NC Initiated by: TB Approved by:

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 64691

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 64691
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	12/28/2021