



CLOSURE REPORT

Property:

**ETP Crude LLC
Diamond Tail 6 Inch Lateral
Lea County, New Mexico
Unit D Section 23, Township 23 South, Range 32 East
Latitude 32.29739, Longitude -103.65312**

nAPP2100849943

July 2021

Prepared for:

**Energy Transfer
801 South Loop 464
Monahans, TX 79756**

Attn: **Mr. Ryan Reich**

Prepared by:

Carlos Ibarra
Environmental Field Supervisor

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Senior Geologist

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CLOSURE REPORT

**ETP Crude LLC
Cuervo 6 Inch Lateral
Lea County, New Mexico
Unit D Section 23, Township 23 South, Range 32 East
Latitude 32.2973941, Longitude -103.6531248
nAPP2100849943**

July 2021

1.0 INTRODUCTION

1.1 Site Description & Background

American Safety Services Inc. (ASSI) has prepared this Closure Report for ETP Crude LLC (an Energy Transfer company) at the Diamond Tail 6 Inch Lateral (referred to hereinafter as the "Site" or "subject Site"). This Closure Report is based upon data collected by ASSI and the interpretation of that data.

The Site is located in Unit D, Section 23, Township 23 South, Range 32 East, Lea County, New Mexico (GPS 32.2973941, -103.6531248). Figures 1, 2, and 3 in Appendix A show the Site location.

Remedial action was conducted in accordance with the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), the New Mexico Oil Conservation Division (NMOCD), and rules under the New Mexico Administrative Code (NMAC 19.15.29).

1.2 Project Objective

The objective of the Closure Report is to present documentation of the activities that were performed at this Site to the NMOCD.

1.3 Standard of Care

ASSI's services are performed in accordance with standards provided by a firm rendering the same or similar services in the area during the same time frame. ASSI makes no warranties, expressed or implied, as to the services performed hereunder. Additionally, ASSI does not warranty the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties). This scope of services will be performed in accordance with the scope of work agreed to by the client.

1.4 Reliance

This report has been prepared for the exclusive use of Energy Transfer, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of

Energy Transfer and ASSI. Any unauthorized distribution or reuse is at the sole risk of Energy Transfer. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the report, and ASSI's Agreement. The limitation of liability defined in the agreement is the aggregate limit of ASSI's liability to the client.

2.0 PROPOSED REMEDIAL ACTION GOALS

In accordance with the NMAC 19.15.29, ASSI utilized the general site characteristics to determine the appropriate "ranking" for the Site.

- The depth to the initial groundwater-bearing zone is greater than one hundred feet at the Site. For details refer to Groundwater in Appendix G,
- The impacted area is more than 1,000 feet (ft) from a water source, and
- Distance to the nearest surface water body is greater than 1,000 ft.

Cleanup goals for soils remaining in place include: 600 milligrams per kilogram (mg/Kg) for Chloride, 1,000 mg/Kg Gasoline Range Organics and Diesel Range Organics (i.e., GRO and DRO), 2,500 mg/Kg for Total Petroleum Hydrocarbons (TPH), 10 mg/Kg for Benzene, 50 mg/Kg for Total Benzene, Toluene, Ethylbenzene, and Xylene (BTEX).

Figure 4 in Appendix A shows the location of the Site in Lea Co, New Mexico and surrounding topography. Figure 5 in shows the location of the Site and its proximity to the nearest water well which is a distance of 2.69 miles to the northwest.

3.0 SURFACE ACTIVITIES

During January 2021, at the request of Energy Transfer, a third-party contractor was instructed to excavate a portion of the affected pipeline and surface staining in the pasture area within Energy Transfer's existing pipeline Right-of-Way (ROW) due to the release of crude oil. Approximately one hundred ninety-two (192) cubic yards (yd³) of impacted material was excavated and temporally stockpiled on a plastic liner onsite. Following excavation of the surface staining, the third-party contractor continued excavation activities to a depth of seven (7) foot below ground surface (bgs) exposing the buried pipeline. The leak on the pipeline, which was attributed to corrosion, was isolated. Maintenance (i.e., repairs) activities were performed on the affected pipeline segment.

Beginning February 4th and continuing through June 8th, the temporarily stockpiled material was removed from the Site by ASSI under an appropriate manifest and transported to Sundance Services West, Inc., located in Eunice, New Mexico. Appendix F of this report contains the completed waste profile manifests for the material.

4.0 INITIAL RESPONSE & SAMPLING ACTIVITIES

4.1 Initial Response

On January 25th ASSI personnel performed a site inspection in response to a release of thirty (30) barrels (bbls) of crude oil within the existing pipeline ROW. The cause of the release was due to a leak, attributed to corrosion, which developed on the buried pipeline, that in-turn allowed the release to occur directly to the ground. The release footprint was determined to be approximately one thousand eight hundred (1800) square feet of pasture.

4.2 Soil Sampling Activities

Confirmation sampling activities were conducted on March 19th by ASSI personnel, using a stainless-steel hand auger. A grid area was designed covering the release footprint comprised of nine (9) individual 10' X 20' cells equaling 200 sq. ft. each. Twenty-seven (27) Bottom Hole (i.e., Bottom Hole 1 thru Bottom Hole 9) and Side Wall (i.e., Side Wall 1 thru Side Wall 18) samples were collected at various locations. Bottom Hole samples were collected from a depth of seven (7) foot bgs where an excavation bottom (EB) was established. Table 1 in Appendix B presents analytical results. Figure 3 in Appendix A shows the approximate sample locations for the sampling event.

4.3 Soil Sampling Analytical Results

The twenty-seven (27) samples collected within the release footprint were delivered by ASSI personnel to Xenco laboratory for analysis on March 22nd. The samples were analyzed for Chloride, GRO, DRO, TPH, and BTEX (Table 1). Analytical results were compared to *Table 1 of the NMAC 19.15.29.12* and show Chloride and BTEX concentrations are below the NMOCD guidelines for clean-up goals at all sample locations.

Based upon the data collected during the sampling event and review of the analytical results, the constituents of concern (COCs) were both vertically and horizontally delineated at all sample locations. However, at sample locations Bottom Hole 5, 8 and at Side Wall 12 and 18 concentrations of GRO, DRO, and TPH exceed NMOCD clean-up goals. Both vertical and horizontal delineation has not been achieved. Further excavation and sampling is required.

4.4 Excavation

On June 7th, ASSI personnel further excavated around Bottom Hole 5, 8 and at Side Wall 12 and 18. At locations Bottom Hole 5 and 8 excavation was extended to eight (8) foot bgs where a new EB was established. A backhoe tractor was utilized to over excavate and remove forty (40) yd³ of impacted material. The material was transported to Sundance Services West, Inc., located in Eunice, New Mexico under an appropriate manifest.

4.5 Confirmation Sampling Analytical Results

Four (4) samples were collected at discrete intervals from sample locations Bottom Hole 5, 8 and Side Wall 12 and 18. At Bottom Hole 5 and 8 one (1) auger hole was installed

using a stainless-steel hand auger, collecting samples every six (6) inches to a depth of one-half (0.5) foot below the EB. At the Side Wall 12 and 18 locations samples were collected beyond the March 19th sampling event. Analytical results show both the vertical and horizontal extent of the TPH release has been achieved.

Collected samples were delivered by ASSI personnel to Permian Basin Environmental Labs (PBE) for analysis on June 11th. The samples were analyzed for Chloride, TPH, and BTEX (Table 1). Analytical results were compared to *Table 1 of the NMAC 19.15.29.12* and show Chloride, TPH, and BTEX concentrations are below the NMOCD guidelines for clean-up goals at all sample locations.

5.0 LABORATORY ANALYTICAL METHODS

All samples were analyzed for Chloride utilizing EPA method 300, TPH utilizing EPA method SW8015 Mod, BTEX using EPA method EPA 8021B. Laboratory analysis is provided in Appendix D.

Soil was collected in laboratory prepared glassware, placed on ice, and packed in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to both Xenco Laboratories and PBE Laboratories in Midland, TX for a normal turn-around time.

Figure 3 in Appendix A indicates the approximate location of the sample locations installed within the release footprint in relation to pertinent land features.

6.0 CLOSURE REQUEST

Based upon the data collected and the Site work completed by ASSI, the constituents of concern (COCs) have been both vertically and horizontally delineated.

Based on the success of the response actions which are affirmed by laboratory analytical results, no additional remediation appears necessary at this time. Copies of the Initial and Final C-141 are provided in Appendix E.

ASSI, on behalf of Energy Transfer, respectfully requests closure of the Site.




APPENDIX A

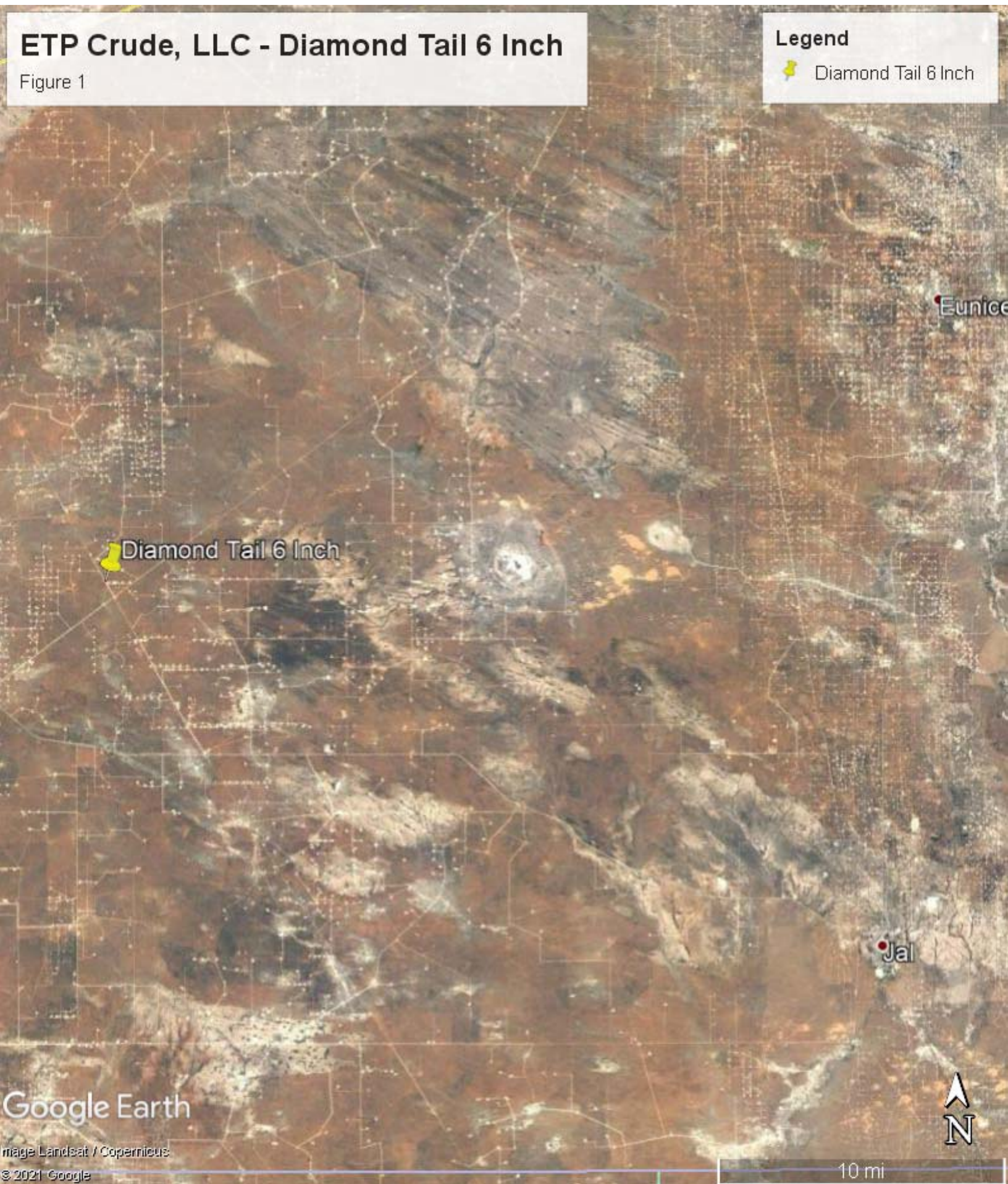
Figures

ETP Crude, LLC - Diamond Tail 6 Inch

Figure 1

Legend

 Diamond Tail 6 Inch



Google Earth

Image Landsat / Copernicus

© 2021 Google

10 mi

ETP Crude, LLC - Diamond Tail 6 Inch

Figure 2

Legend

 Diamond Tail 6 Inch



ETP Crude, LLC - Diamond Tail 6 Inch

Figure 3

Legend

- 7 Foot Excavated Bottom
- Bottom Hole Sample Locations
- Side Wall Sample Locations



Google Earth


© 2021 Google

100 ft

ETP Crude, LLC

Figure 4

Legend

 Diamond Tail 6 Inch

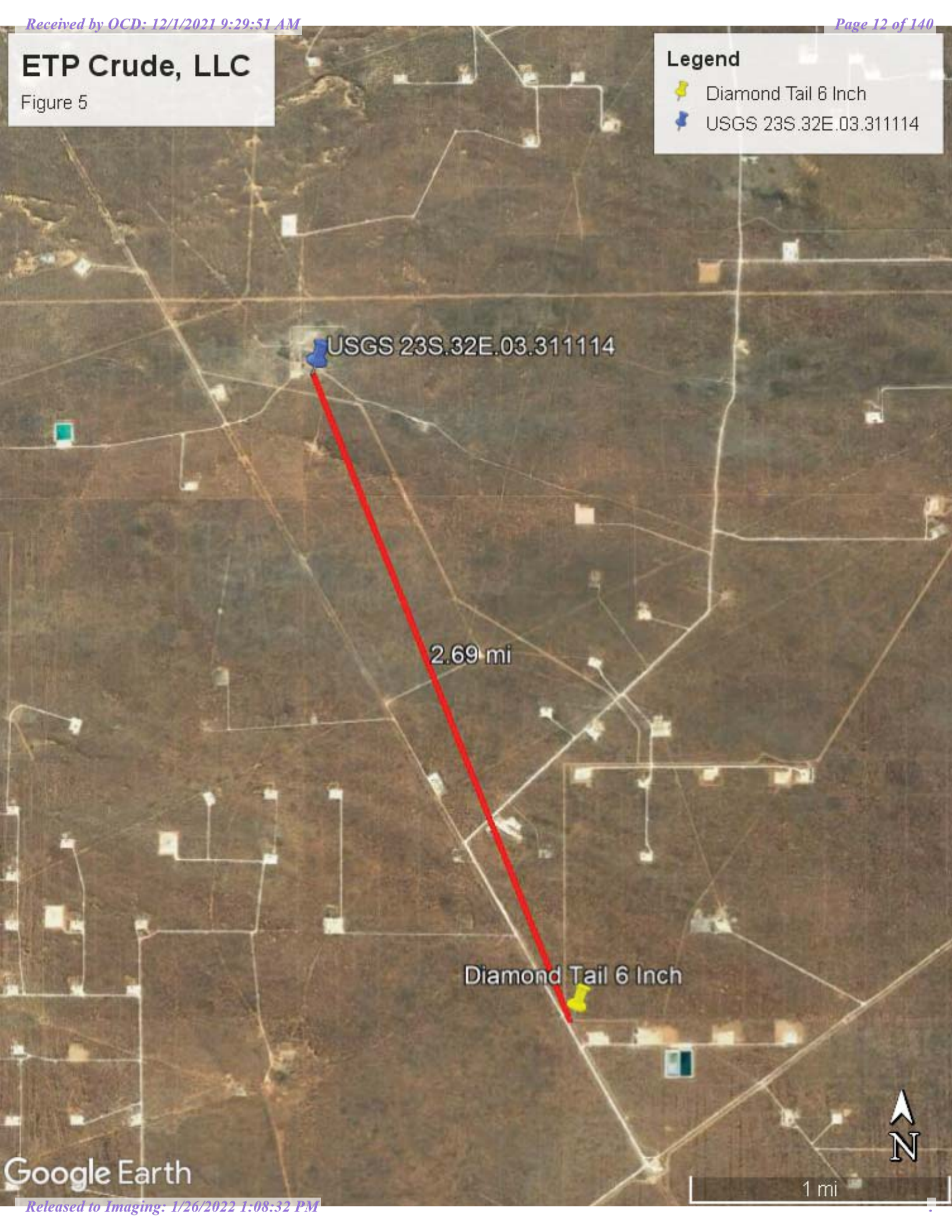


ETP Crude, LLC

Figure 5

Legend

-  Diamond Tail 6 Inch
-  USGS 23S.32E.03.311114





APPENDIX B

Table 1

TABLE 1 Summary of Confirmation Sampling Analytical Results Concentrations of Chloride in Soil ETP Crude LLC Diamond Tail 6 Inch Lateral Lea County, New Mexico													
Sample Location	Sample Date	Sample Depth (feet)	Soil Status	EPA 300	8015M				8021B				
				Chloride (mg/kg)	Gasoline Range Organics (GRO) (mg/kg)	Diesel Range Organics (DRO) (mg/kg)	Oil Range Organics (MRO) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)
NMAC 19.15.29				600	1,000		NE	2,500	10	NE			50
Confirmation Sampling													
Bottom Hole 1 (7'EB)	03/19/2021	7'	In-situ	18.1	58.5	265	<49.9	324	<0.00200	<0.00200	0.00432F1 F2	0.00849F1 F2	0.0128F1 F2
Bottom Hole 2 (7'EB)	03/19/2021	7'	In-situ	17.5	67.4	172	143	382	<0.00201	0.00481	0.00749	0.0101	0.0224
Bottom Hole 3 (7'EB)	03/19/2021	7'	In-situ	23.2	<50.0	83.4	<50.0	83.4	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200
Bottom Hole 4 (7'EB)	03/19/2021	7'	In-situ	15.6	<50.1	72.5	<50.1	72.5	<0.00202	0.0138	0.00432	0.0145	0.0326
Bottom Hole 5 (7'EB)	03/19/2021	7'	In-situ	229	422	3660	453	4540	0.0629	0.214	0.288	15.8	22.1
Bottom Hole 5 (8'EB)	6/10/2021	8'	In-situ	<1.01	<25.3	44.5	<25.3	44.5	<0.00100	<0.000100	<0.000100	<0.00200	<0.00200
Bottom Hole 6 (7'EB)	03/19/2021	7'	In-situ	19.3	<49.9	589	81.0	670	0.00797	0.0571	0.0312	0.0837	0.180
Bottom Hole 7 (7'EB)	03/19/2021	7'	In-situ	32.2	<49.9	299	<49.9	299	0.00280	0.0307	0.0321	0.0934	0.159
Bottom Hole 8 (7'EB)	03/19/2021	7'	In-situ	127	139	1250	159	1550	0.00756	0.148	0.126	0.355	0.636
Bottom Hole 8 (8'EB)	6/10/2021	8'	In-situ	2.78	<25.0	33.9	<25.0	33.9	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
Bottom Hole 9 (7'EB)	03/19/2021	7'	In-situ	69.3	<49.7	776	110	886	<0.00200	0.00546	0.0122	0.0525	0.0702
Side Wall 1	03/19/2021	—	In-situ	34.4	<50.0	118	<50.0	118	<0.00199	0.0244	0.0148	0.0707	0.110
Side Wall 2	03/19/2021	—	In-situ	14.9	<49.9	<49.9	<49.9	<49.9	0.0314	0.208	0.0529	0.196	0.488
Side Wall 3	03/19/2021	—	In-situ	10.0	<49.8	<49.8	<49.8	<49.8	0.00207	0.0293	0.0113	0.0331	0.0758
Side Wall 4	03/19/2021	—	In-situ	<5.02	<50.1	<50.1	<50.1	<50.1	0.00204	0.0189	0.0124	0.0260	0.0593
Side Wall 5	03/19/2021	—	In-situ	<4.97	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00669	0.00283	0.00866	0.0182
Side Wall 6	03/19/2021	—	In-situ	5.69	<49.8	62.3	<49.8	62.3	<0.00199	0.0302	0.00753	0.0295	0.0672
Side Wall 7	03/19/2021	—	In-situ	20.9	<49.9	76.0	<49.9	76.0	<0.00199	0.00882	0.00214	0.0111	0.0220
Side Wall 8	03/19/2021	—	In-situ	15.5	<49.8	<49.8	<49.8	<49.8	<0.00199	0.0829	<1.00	9.29H	9.29H
Side Wall 9	03/19/2021	—	In-situ	11.8	210	116	<50.0	326	0.0346	0.0745	2.43	6.59	9.09
Side Wall 10	03/19/2021	—	In-situ	14.3	<49.9	<49.9	<49.9	<49.9	<0.0100	<0.0100	0.0201	0.0475	0.0676
Side Wall 11	03/19/2021	—	In-situ	6.31	<49.8	<49.8	<49.8	<49.8	<0.00201	0.00487	0.00718	0.0360	0.0481
Side Wall 12	03/19/2021	—	In-situ	35.0	<49.9	1240F1	<49.9	1240	0.00876	0.183	0.0655	0.260	0.517
Side Wall 12	6/10/2021	—	In-situ	<1.00	<25.0	144	<25.0	144	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200
Side Wall 13	03/19/2021	—	In-situ	10.9	85.3	60.6	<49.9	146	<0.101	1.23	1.30	6.27	8.80
Side Wall 14	03/19/2021	—	In-situ	342	<50.1	<50.1	<50.1	<50.1	0.00253	0.0215	0.00931	0.0445	0.0778
Side Wall 15	03/19/2021	—	In-situ	17.5	<50.1	<50.1	<50.1	<50.1	<0.00200	0.0164	0.00587	0.0239	0.0461
Side Wall 16	03/19/2021	—	In-situ	21.7	<50.0	118	<50.0	118	<0.00201	<0.00201	<0.00201	0.00817	0.00817
Side Wall 17	03/19/2021	—	In-situ	8.11	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201
Side Wall 18	03/19/2021	—	In-situ	35.8	<49.9	1060	<49.9	1060	<0.00200	0.00768	0.00611	0.0202	0.0340
Side Wall 18	6/10/2021	—	In-situ	<1.00	<25.0	167	<25.0	167	<0.00100	<0.00100	<0.00100	<0.00200	<0.00200

mg/Kg - milligrams per Kilogram

Concentrations in red exceed remediation guidelines

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes analyzed by EPA method 8021B

NE - not established

— = not determined

In-situ - sample collected in-place

B - compound was found in the blank and sample

*+ - LCS and/or LCSD is outside acceptance limits, high biased

Total TPH reported values are rounded-off to 3-significant figures using the LIMS Odd/Even Rounding Rule which is a laboratory accepted standard



APPENDIX C

Photo Page



View North – Origin of spill. Cause of the release is due to corrosion on a buried pipeline. Note a portion of the spill flow path (dark brown staining) within the release footprint.



View South – A portion of the spill flow path (dark brown staining) within the release footprint.



View South – Remediation (excavation of impacted material from within the release footprint) activities ongoing. Material was transported to an approved disposal facility.



View West – Sample locations Side Wall 1 and 2, Bottom Hole 1 (7'EB), and Side Wall 18 (flagged). Blue arrows identify pin flags. Note the clamp where the repair to the pipeline was made.



View East – Sample locations Side Wall 3, Bottom Hole 2 (7'EB) and 3 (7'EB), and Side Wall 17 (flagged). Blue arrows identify pin flags.



View East – Sample locations Side Wall 4, Bottom Hole 4 (7'EB), and Side Wall 16 (flagged). Blue arrows identify pin flags.



View East— Sample locations Side Wall 5, Bottom Hole 5 (7'EB), and Sidewall 15 (flagged). Blue arrows identify pin flags.



View East – Sample locations Side Wall 6 and 14 (flagged). Blue arrows identify pin flags.



View East – Sample location Side Wall 7 (flagged). Blue arrow identifies pin flag.



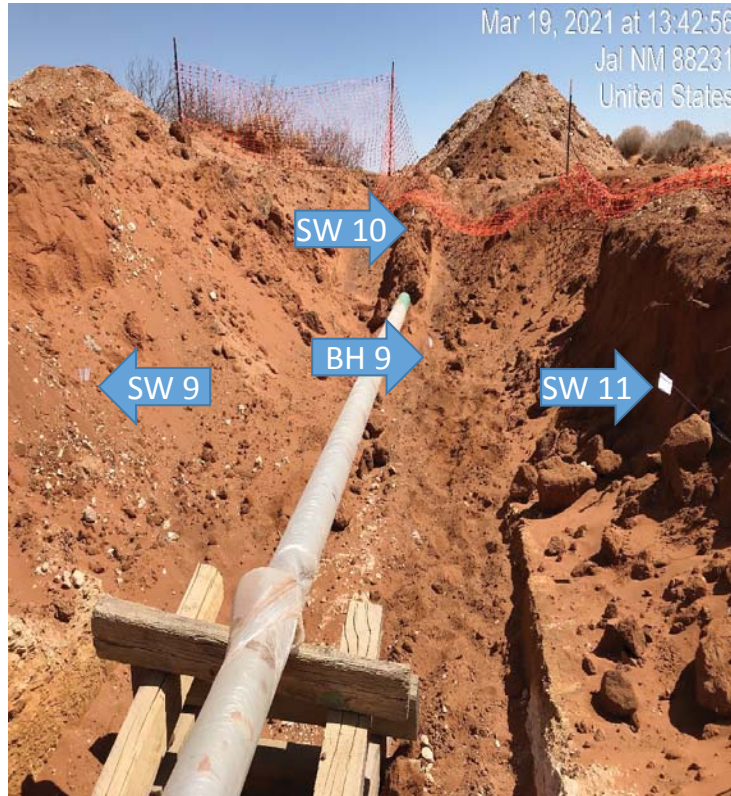
View East – Sample locations Bottom Hole 6 (7'EB) and Side Wall 13 (flagged). Blue arrows identify pin flags.



View East – Sample locations Side Wall 12 and Bottom Hole 7 (7'EB) (flagged). Blue arrows identify pin flags.



View East – Sample locations Bottom Hole 8 (7'EB) and Side Wall 8 (flagged). Blue arrows identify pin flags.



View East – Sample locations Side Wall 9, Bottom Hole 9, and Side Wall 10 and 11 (flagged). Blue arrows identify pin flags.



View East – Remediation activities (excavation of impacted material) ongoing adjacent to and around sample location Bottom Hole 8.



View Southeast – Remediation activities (excavation of impacted material) ongoing adjacent to and around sample location Side Wall 12.



View Northeast – Remediation activities (excavation of impacted material) ongoing adjacent to and around sample location Bottom Hole 5.



View East – Remediation activities (excavation of impacted material) ongoing adjacent to and around sample location Side Wall 18.



View West – Sample location Bottom Hole 5 (8'EB) (flagged). Blue arrow identifies pin flag.



View East – Sample locations Bottom Hole 8 (8'EB) (flagged). Blue arrow identify pin flag.



View East – Sample location Side Wall 12 (flagged). Blue arrow identifies pin flag.



View South – Sample locations Sidewall 18 (flagged). Blue arrow identify pin flag.



APPENDIX D

Laboratory Analysis



Environment Testing
America

ANALYTICAL REPORT

Job Number: 880-532-1

SDG Number: Lea Co NM

Job Description: ETP Crude -Dimond Tail

For:

American Safety Services Inc.

8715 Andrews Hwy

Odessa, TX 79765

Attention: Thomas Franklin

A handwritten signature in black ink that reads "JKRAMER".

Approved for release.
Jessica Kramer
Project Manager
4/12/2021 9:16 PM

Jessica Kramer, Project Manager
1211 W. Florida Ave, Midland, TX, 79701
jessica.kramer@eurofinset.com
04/12/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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

Eurofins Xenco, Midland

1211 W. Florida Ave, Midland, TX 79701

Tel (432) 704-5440 www.EurofinsUS.com



Client Sample Result Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID: 880-532-1	880-532-2	880-532-3	880-532-4	880-532-5
Client Sample ID: Bottom Hole 1 (7"EB)	Bottom Hole 2 (7"EB)	Bottom Hole 3 (7"EB)	Bottom Hole 4 (7"EB)	Bottom Hole 5 (7"EB)
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 03/19/2021 13:25	03/19/2021 13:27	03/19/2021 13:29	03/19/2021 13:30	03/19/2021 13:32

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43
	Analyzed: 03/31/2021 08:46	03/31/2021 09:06	03/31/2021 09:26	03/31/2021 09:47	03/31/2021 10:07
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00202 0.00202	0.0629 0.00202
	U F1	U	U	U	
Ethylbenzene	0.00432 0.00200	0.00749 0.00201	<0.00200 0.00200	0.00432 0.00202	0.288 0.00202
	F1 F2		U		
m-Xylene & p-Xylene	0.00473 0.00401	0.00730 0.00402	<0.00401 0.00401	0.0101 0.00403	0.235 0.00404
	F1 F2		U		
	Prepared: 03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	04/01/2021 09:34
	Analyzed: 03/31/2021 08:46	03/31/2021 09:06	03/31/2021 09:26	03/31/2021 09:47	04/01/2021 16:16
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Toluene	<0.00200 0.00200	0.00481 0.00201	<0.00200 0.00200	0.0138 0.00202	0.214 0.0202
	U F1 F2		U		
o-Xylene	0.00376 0.00200	0.00277 0.00201	<0.00200 0.00200	0.00440 0.00202	<0.0202 U 0.0202
	F1 F2		U		
Xylenes, Total	0.00849 0.00401	0.0101 0.00402	<0.00401 0.00401	0.0145 0.00403	15.8 0.0404
	F1 F2		U		
Total BTEX	0.0128 F1 F2 0.00200	0.0224 0.00201	<0.00200 0.00200	0.0326 0.00202	22.1 0.0202

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

	Prepared: 03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42
	Analyzed: 04/01/2021 11:46	04/01/2021 13:00	04/01/2021 15:20	04/01/2021 16:47	04/01/2021 17:28
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Gasoline Range Organics (GRO)-C6-C10	58.5 49.9	67.4 49.9	<50.0 U 50.0	<50.1 U 50.1	422 50.0
Diesel Range Organics (Over C10-C28)	265 49.9	172 49.9	83.4 50.0	72.5 50.1	3660 50.0
Oil Range Organics (Over C28-C36)	<49.9 U 49.9	143 49.9	<50.0 U 50.0	<50.1 U 50.1	453 50.0
Total TPH	324 49.9	382 49.9	83.4 50.0	72.5 50.1	4540 50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 04/08/2021 13:40	04/08/2021 13:55	04/08/2021 14:00	04/08/2021 14:05	04/08/2021 14:09
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	18.1 5.02	17.5 5.05	23.2 4.97	15.6 4.96	229 4.99

Client Sample Result Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID: 880-532-6	880-532-7	880-532-8	880-532-9	880-532-10
Client Sample ID: Bottom Hole 6 (7'EB)	Bottom Hole 7 (7'EB)	Bottom Hole 8 (7'EB)	Bottom Hole 9 (7'EB)	Side Wall 1
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 03/19/2021 13:34	03/19/2021 13:36	03/19/2021 13:38	03/19/2021 13:40	03/19/2021 13:41

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	04/01/2021 09:34	03/30/2021 12:43
	Analyzed: 03/31/2021 10:28	03/31/2021 10:48	03/31/2021 11:08	04/01/2021 13:51	03/31/2021 11:49
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	0.00797 0.00200	0.00280 0.00199	0.00756 0.00199	<0.00200 U	<0.00199 U
Toluene	0.0571 0.00200	0.0307 0.00199	0.148 0.00199	0.00546 0.00200	0.0244 0.00199
Ethylbenzene	0.0312 0.00200	0.0321 0.00199	0.126 0.00199	0.0122 0.00200	0.0148 0.00199
m-Xylene & p-Xylene	0.0165 0.00399	<0.00398 U	0.0626 0.00398	0.0239 0.00399	0.0396 0.00398
o-Xylene	0.0672 0.00200	0.0934 0.00199	0.292 0.00199	0.0286 0.00200	0.0311 0.00199
Xylenes, Total	0.0837 0.00399	0.0934 0.00398	0.355 0.00398	0.0525 0.00399	0.0707 0.00398
Total BTEX	0.180 0.00200	0.159 0.00199	0.636 0.00199	0.0702 0.00200	0.110 0.00199

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

	Prepared: 03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42
	Analyzed: 04/01/2021 17:49	04/01/2021 18:10	04/01/2021 18:30	04/01/2021 18:51	04/01/2021 19:13
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Gasoline Range Organics (GRO)-C6-C10	<49.9 U 49.9	<49.9 U 49.9	139 49.9	<49.7 U 49.7	<50.0 U 50.0
Diesel Range Organics (Over C10-C28)	589 49.9	299 49.9	1250 49.9	776 49.7	118 50.0
Oil Range Organics (Over C28-C36)	81.0 49.9	<49.9 U 49.9	159 49.9	110 49.7	<50.0 U 50.0
Total TPH	670 49.9	299 49.9	1550 49.9	886 49.7	118 50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 04/08/2021 14:24	04/08/2021 14:29	04/08/2021 14:34	04/08/2021 14:39	04/08/2021 14:44
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	19.3 4.99	32.2 5.00	127 5.00	69.3 5.00	34.4 5.01

Client Sample Result Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID: 880-532-11	880-532-12	880-532-13	880-532-14	880-532-15
Client Sample ID: Side Wall 2	Side Wall 3	Side Wall 4	Side Wall 5	Side Wall 6
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 03/19/2021 13:42	03/19/2021 13:43	03/19/2021 13:44	03/19/2021 13:46	03/19/2021 13:48

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	03/30/2021 12:43	04/02/2021 13:15
	Analyzed: 03/31/2021 13:39	03/31/2021 14:00	03/31/2021 14:20	03/31/2021 14:41	04/02/2021 21:09
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	0.0314 0.00200	0.00207 0.00199	0.00204 0.00200	<0.00200 0.00200	<0.00199 0.00199
Toluene	0.208 0.00200	0.0293 0.00199	0.0189 0.00200	0.00669 0.00200	0.0302 0.00199
Ethylbenzene	0.0529 0.00200	0.0113 0.00199	0.0124 0.00200	0.00283 0.00200	0.00753 0.00199
m-Xylene & p-Xylene	0.150 0.00399	0.0232 0.00398	0.0181 0.00401	0.00625 0.00401	0.0226 0.00398
o-Xylene	0.0459 0.00200	0.00990 0.00199	0.00786 0.00200	0.00241 0.00200	0.00685 0.00199
Xylenes, Total	0.196 0.00399	0.0331 0.00398	0.0260 0.00401	0.00866 0.00401	0.0295 0.00398
Total BTEX	0.488 0.00200	0.0758 0.00199	0.0593 0.00200	0.0182 0.00200	0.0672 0.00199

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

	Prepared: 03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42
	Analyzed: 04/01/2021 19:54	04/01/2021 20:15	04/01/2021 20:37	04/01/2021 20:58	04/01/2021 21:19
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Gasoline Range Organics (GRO)-C6-C10	<49.9 U 49.9	<49.8 U 49.8	<50.1 U 50.1	<50.0 U 50.0	<49.8 U 49.8
Diesel Range Organics (Over C10-C28)	<49.9 U 49.9	<49.8 U 49.8	<50.1 U 50.1	<50.0 U 50.0	62.3 49.8
Oil Range Organics (Over C28-C36)	<49.9 U 49.9	<49.8 U 49.8	<50.1 U 50.1	<50.0 U 50.0	<49.8 U 49.8
Total TPH	<49.9 U 49.9	<49.8 U 49.8	<50.1 U 50.1	<50.0 U 50.0	62.3 49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 04/08/2021 14:49	04/08/2021 15:04	04/08/2021 15:09	04/08/2021 15:23	04/08/2021 15:28
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	14.9 4.99	10.0 5.04	<5.02 U 5.02	<4.97 U 4.97	5.69 5.05

Client Sample Result Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID: 880-532-16	880-532-17	880-532-18	880-532-19	880-532-20
Client Sample ID: Side Wall 7	Side Wall 8	Side Wall 9	Side Wall 10	Side Wall 11
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 03/19/2021 13:49	03/19/2021 13:51	03/19/2021 13:52	03/19/2021 13:53	03/19/2021 13:54

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 03/30/2021 12:43	04/02/2021 13:15	03/30/2021 12:43	04/01/2021 09:34	03/30/2021 12:43
	Analyzed: 03/31/2021 15:21	04/02/2021 21:29	03/31/2021 16:02	04/01/2021 15:56	03/31/2021 16:43
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	<0.00199 U 0.00199	<0.00199 U 0.00199	0.0346 0.00198	<0.0100 U 0.0100	<0.00201 U 0.00201
	Prepared: 03/30/2021 12:43	04/02/2021 13:15	04/01/2021 09:34	04/01/2021 09:34	03/30/2021 12:43
	Analyzed: 03/31/2021 15:21	04/02/2021 21:29	04/01/2021 16:37	04/01/2021 15:56	03/31/2021 16:43
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Toluene	0.00882 0.00199	0.0829 0.00199	0.0745 0.0401	<0.0100 U 0.0100	0.00487 0.00201
o-Xylene	0.00308 0.00199	0.165 0.00199	<0.0401 U 0.0401	<0.0100 U 0.0100	0.0104 0.00201
	Prepared: 03/30/2021 12:43	04/03/2021 13:57	04/01/2021 09:34	04/01/2021 09:34	03/30/2021 12:43
	Analyzed: 03/31/2021 15:21	04/03/2021 20:33	04/01/2021 16:37	04/01/2021 15:56	03/31/2021 16:43
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Ethylbenzene	0.00214 0.00199	<1.00 U H 1.00	2.43 0.0401	0.0201 0.0100	0.00718 0.00201
m-Xylene & p-Xylene	0.00799 0.00398	<2.00 U H 2.00	6.59 0.0802	0.0475 0.0200	0.0256 0.00402
Xylenes, Total	0.0111 0.00398	9.29 H 2.00	6.59 0.0802	0.0475 0.0200	0.0360 0.00402
Total BTEX	0.0220 0.00199	9.29 H 1.00	9.09 0.0401	0.0676 0.0100	0.0481 0.00201

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

	Prepared: 03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42	03/31/2021 14:42
	Analyzed: 04/01/2021 21:40	04/01/2021 22:01	04/01/2021 22:22	04/01/2021 22:43	04/01/2021 23:04
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Gasoline Range Organics (GRO)-C6-C10	<49.9 U 49.9	<49.8 U 49.8	210 50.0	<49.9 U 49.9	<49.8 U 49.8
Diesel Range Organics (Over C10-C28)	76.0 49.9	<49.8 U 49.8	116 50.0	<49.9 U 49.9	<49.8 U 49.8
Oil Range Organics (Over C28-C36)	<49.9 U 49.9	<49.8 U 49.8	<50.0 U 50.0	<49.9 U 49.9	<49.8 U 49.8
Total TPH	76.0 49.9	<49.8 U 49.8	326 50.0	<49.9 U 49.9	<49.8 U 49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 04/08/2021 15:33	04/08/2021 15:38	04/08/2021 15:43	04/08/2021 15:48	04/08/2021 15:53
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	20.9 5.05	15.5 4.99	11.8 4.96	14.3 5.02	6.31 5.03

Client Sample Result Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID: 880-532-21	880-532-22	880-532-23	880-532-24	880-532-25
Client Sample ID: Side Wall 12	Side Wall 13	Side Wall 14	Side Wall 15	Side Wall 16
Matrix: Solid	Solid	Solid	Solid	Solid
Date Collected: 03/19/2021 13:55	03/19/2021 13:56	03/19/2021 13:57	03/19/2021 13:59	03/19/2021 14:02

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 03/30/2021 12:03	03/30/2021 14:12	03/30/2021 14:12	03/30/2021 14:12	03/30/2021 14:12
	Analyzed: 03/31/2021 05:08	04/01/2021 11:23	04/01/2021 08:19	04/01/2021 08:40	04/01/2021 09:00
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Benzene	0.00876 0.00201	<0.101 U 0.101	0.00253 0.00200	<0.00200 U 0.00200	<0.00201 U 0.00201
Toluene	0.183 0.00201	1.23 0.101	0.0215 0.00200	0.0164 0.00200	<0.00201 U 0.00201
Ethylbenzene	0.0655 0.00201	1.30 0.101	0.00931 0.00200	0.00587 0.00200	<0.00201 U 0.00201
m-Xylene & p-Xylene	0.174 0.00402	4.57 0.202	0.0317 0.00401	0.0179 0.00401	0.00571 0.00402
o-Xylene	0.0858 0.00201	1.70 0.101	0.0128 0.00200	0.00597 0.00200	0.00246 0.00201
Xylenes, Total	0.260 0.00402	6.27 0.202	0.0445 0.00401	0.0239 0.00401	0.00817 0.00402
Total BTEX	0.517 0.00201	8.80 0.101	0.0778 0.00200	0.0461 0.00200	0.00817 0.00201

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

	Prepared: 03/31/2021 13:38	03/31/2021 13:38	04/05/2021 08:58	03/31/2021 13:38	03/31/2021 13:38
	Analyzed: 04/01/2021 11:46	04/01/2021 13:00	04/05/2021 23:55	04/01/2021 22:43	04/01/2021 17:28
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Gasoline Range Organics (GRO)-C6-C10	<49.9 U 49.9	85.3 49.9	<50.1 U H 50.1	<50.1 U 50.1	<50.0 U 50.0
Diesel Range Organics (Over C10-C28)	1240 F1 49.9	60.6 49.9	<50.1 U H 50.1	<50.1 U 50.1	118 50.0
Oil Range Organics (Over C28-C36)	<49.9 U 49.9	<49.9 U 49.9	<50.1 U H 50.1	<50.1 U 50.1	<50.0 U 50.0
Total TPH	1240 49.9	146 49.9	<50.1 U H 50.1	<50.1 U 50.1	118 50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:				
	Analyzed: 04/07/2021 19:43	04/07/2021 19:58	04/07/2021 20:03	04/07/2021 20:08	04/07/2021 20:13
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL	mg/Kg RL
Chloride	35.0 4.99	10.9 4.96	342 4.95	17.5 5.04	21.7 5.02

Client Sample Result Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID: 880-532-26	880-532-27
Client Sample ID: Side Wall 17	Side Wall 18
Matrix: Solid	Solid
Date Collected: 03/19/2021 14:05	03/19/2021 04:08

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared: 03/30/2021 14:12	03/30/2021 14:12
	Analyzed: 04/01/2021 09:21	04/01/2021 09:41
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL
Benzene	<0.00201 0.00201	<0.00200 0.00200
	U	U
Toluene	<0.00201 0.00201	0.00768 0.00200
	U	
Ethylbenzene	<0.00201 0.00201	0.00611 0.00200
	U	
m-Xylene & p-Xylene	<0.00402 0.00402	0.0103 0.00401
	U	
o-Xylene	<0.00201 0.00201	0.00994 0.00200
	U	
Xylenes, Total	<0.00402 0.00402	0.0202 0.00401
	U	
Total BTEX	<0.00201 0.00201	0.0340 0.00200
	U	

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

	Prepared: 03/31/2021 13:38	03/31/2021 13:39
	Analyzed: 04/01/2021 17:49	04/01/2021 18:10
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL
Gasoline Range Organics (GRO)-C6-C10	<49.9 U 49.9	<49.9 U 49.9
Diesel Range Organics (Over C10-C28)	<49.9 U 49.9	1060 49.9
Oil Range Organics (Over C28-C36)	<49.9 U 49.9	<49.9 U 49.9
Total TPH	<49.9 U 49.9	1060 49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Prepared:	
	Analyzed: 04/07/2021 20:28	04/07/2021 20:32
Analyte	Unit/RL: mg/Kg RL	mg/Kg RL
Chloride	8.11 5.02	35.8 4.98



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-532-1

Laboratory Sample Delivery Group: Lea Co NM
Client Project/Site: ETP Crude -Dimond Tail

For:

American Safety Services Inc.
8715 Andrews Hwy
Odessa, Texas 79765

Attn: Thomas Franklin

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

Authorized for release by:
4/12/2021 9:16:31 PM

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

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

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

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Laboratory Job ID: 880-532-1
SDG: Lea Co NM

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Definitions/Glossary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Xenco, Midland

Definitions/Glossary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

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Case Narrative

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Job ID: 880-532-1**Laboratory: Eurofins Xenco, Midland****Narrative****Job Narrative
880-532-1****Comments**

No additional comments.

Receipt

The samples were received on 3/22/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8° C.

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: Side Wall 12 (880-532-21). The sample(s) shows evidence of matrix interference.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with preparation batch 880-1068 and 880-1069 and analytical batch 880-1078 were outside control limits: (880-515-A-1-D MSD) and (880-532-A-1-B MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: Bottom Hole 1 (7'EB) (880-532-1), Bottom Hole 2 (7'EB) (880-532-2), Bottom Hole 3 (7'EB) (880-532-3), Bottom Hole 8 (7'EB) (880-532-8), Side Wall 3 (880-532-12) and Side Wall 4 (880-532-13). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following samples were outside control limits: 4-Bromofluorobenzene (Surr) Bottom Hole 2 (7'EB) (880-532-2), Bottom Hole 6 (7'EB) (880-532-6), Side Wall 3 (880-532-12), (880-532-A-1-A MS) and (880-532-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: 4-Bromofluorobenzene (Surr) Side Wall 14 (880-532-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: Side Wall 14 (880-532-23), Side Wall 16 (880-532-25) and Side Wall 18 (880-532-27). The sample(s) shows evidence of matrix interference.

Method 8021B: Reanalysis of the following sample was performed outside of the analytical holding time due initial analysis exceeding calibration : Side Wall 8 (880-532-17).

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 1 (7'EB)

Lab Sample ID: 880-532-1

Date Collected: 03/19/21 13:25

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		03/30/21 12:43	03/31/21 08:46	1
Toluene	<0.00200	U F1 F2	0.00200		mg/Kg		03/30/21 12:43	03/31/21 08:46	1
Ethylbenzene	0.00432	F1 F2	0.00200		mg/Kg		03/30/21 12:43	03/31/21 08:46	1
m-Xylene & p-Xylene	0.00473	F1 F2	0.00401		mg/Kg		03/30/21 12:43	03/31/21 08:46	1
o-Xylene	0.00376	F1 F2	0.00200		mg/Kg		03/30/21 12:43	03/31/21 08:46	1
Xylenes, Total	0.00849	F1 F2	0.00401		mg/Kg		03/30/21 12:43	03/31/21 08:46	1
Total BTEX	0.0128	F1 F2	0.00200		mg/Kg		03/30/21 12:43	03/31/21 08:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/30/21 12:43	03/31/21 08:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/30/21 12:43	03/31/21 08:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	58.5		49.9		mg/Kg		03/31/21 14:42	04/01/21 11:46	1
Diesel Range Organics (Over C10-C28)	265		49.9		mg/Kg		03/31/21 14:42	04/01/21 11:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 11:46	1
Total TPH	324		49.9		mg/Kg		03/31/21 14:42	04/01/21 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	03/31/21 14:42	04/01/21 11:46	1
o-Terphenyl	87		70 - 130	03/31/21 14:42	04/01/21 11:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		5.02		mg/Kg			04/08/21 13:40	1

Client Sample ID: Bottom Hole 2 (7'EB)

Lab Sample ID: 880-532-2

Date Collected: 03/19/21 13:27

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/21 12:43	03/31/21 09:06	1
Toluene	0.00481		0.00201		mg/Kg		03/30/21 12:43	03/31/21 09:06	1
Ethylbenzene	0.00749		0.00201		mg/Kg		03/30/21 12:43	03/31/21 09:06	1
m-Xylene & p-Xylene	0.00730		0.00402		mg/Kg		03/30/21 12:43	03/31/21 09:06	1
o-Xylene	0.00277		0.00201		mg/Kg		03/30/21 12:43	03/31/21 09:06	1
Xylenes, Total	0.0101		0.00402		mg/Kg		03/30/21 12:43	03/31/21 09:06	1
Total BTEX	0.0224		0.00201		mg/Kg		03/30/21 12:43	03/31/21 09:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	03/30/21 12:43	03/31/21 09:06	1
1,4-Difluorobenzene (Surr)	78		70 - 130	03/30/21 12:43	03/31/21 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	67.4		49.9		mg/Kg		03/31/21 14:42	04/01/21 13:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 2 (7'EB)

Lab Sample ID: 880-532-2

Date Collected: 03/19/21 13:27

Matrix: Solid

Date Received: 03/22/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	172		49.9		mg/Kg		03/31/21 14:42	04/01/21 13:00	1
Oil Range Organics (Over C28-C36)	143		49.9		mg/Kg		03/31/21 14:42	04/01/21 13:00	1
Total TPH	382		49.9		mg/Kg		03/31/21 14:42	04/01/21 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	03/31/21 14:42	04/01/21 13:00	1
o-Terphenyl	70		70 - 130	03/31/21 14:42	04/01/21 13:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		5.05		mg/Kg			04/08/21 13:55	1

Client Sample ID: Bottom Hole 3 (7'EB)

Lab Sample ID: 880-532-3

Date Collected: 03/19/21 13:29

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 12:43	03/31/21 09:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/21 12:43	03/31/21 09:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/21 12:43	03/31/21 09:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/30/21 12:43	03/31/21 09:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/21 12:43	03/31/21 09:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/30/21 12:43	03/31/21 09:26	1
Total BTEX	<0.00200	U	0.00200		mg/Kg		03/30/21 12:43	03/31/21 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	03/30/21 12:43	03/31/21 09:26	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/30/21 12:43	03/31/21 09:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 15:20	1
Diesel Range Organics (Over C10-C28)	83.4		50.0		mg/Kg		03/31/21 14:42	04/01/21 15:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 15:20	1
Total TPH	83.4		50.0		mg/Kg		03/31/21 14:42	04/01/21 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/31/21 14:42	04/01/21 15:20	1
o-Terphenyl	88		70 - 130	03/31/21 14:42	04/01/21 15:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.2		4.97		mg/Kg			04/08/21 14:00	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 4 (7'EB)

Lab Sample ID: 880-532-4

Date Collected: 03/19/21 13:30

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/30/21 12:43	03/31/21 09:47	1
Toluene	0.0138		0.00202		mg/Kg		03/30/21 12:43	03/31/21 09:47	1
Ethylbenzene	0.00432		0.00202		mg/Kg		03/30/21 12:43	03/31/21 09:47	1
m-Xylene & p-Xylene	0.0101		0.00403		mg/Kg		03/30/21 12:43	03/31/21 09:47	1
o-Xylene	0.00440		0.00202		mg/Kg		03/30/21 12:43	03/31/21 09:47	1
Xylenes, Total	0.0145		0.00403		mg/Kg		03/30/21 12:43	03/31/21 09:47	1
Total BTEX	0.0326		0.00202		mg/Kg		03/30/21 12:43	03/31/21 09:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/30/21 12:43	03/31/21 09:47	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/30/21 12:43	03/31/21 09:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/31/21 14:42	04/01/21 16:47	1
Diesel Range Organics (Over C10-C28)	72.5		50.1		mg/Kg		03/31/21 14:42	04/01/21 16:47	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/31/21 14:42	04/01/21 16:47	1
Total TPH	72.5		50.1		mg/Kg		03/31/21 14:42	04/01/21 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	03/31/21 14:42	04/01/21 16:47	1
o-Terphenyl	83		70 - 130	03/31/21 14:42	04/01/21 16:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		4.96		mg/Kg			04/08/21 14:05	1

Client Sample ID: Bottom Hole 5 (7'EB)

Lab Sample ID: 880-532-5

Date Collected: 03/19/21 13:32

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0629		0.00202		mg/Kg		03/30/21 12:43	03/31/21 10:07	1
Toluene	0.214		0.0202		mg/Kg		04/01/21 09:34	04/01/21 16:16	10
Ethylbenzene	0.288		0.00202		mg/Kg		03/30/21 12:43	03/31/21 10:07	1
m-Xylene & p-Xylene	0.235		0.00404		mg/Kg		03/30/21 12:43	03/31/21 10:07	1
o-Xylene	<0.0202	U	0.0202		mg/Kg		04/01/21 09:34	04/01/21 16:16	10
Xylenes, Total	15.8		0.0404		mg/Kg		04/01/21 09:34	04/01/21 16:16	10
Total BTEX	22.1		0.0202		mg/Kg		04/01/21 09:34	04/01/21 16:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/30/21 12:43	03/31/21 10:07	1
1,4-Difluorobenzene (Surr)	79		70 - 130	03/30/21 12:43	03/31/21 10:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	422		50.0		mg/Kg		03/31/21 14:42	04/01/21 17:28	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 5 (7'EB)

Lab Sample ID: 880-532-5

Date Collected: 03/19/21 13:32

Matrix: Solid

Date Received: 03/22/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	3660		50.0		mg/Kg		03/31/21 14:42	04/01/21 17:28	1
Oil Range Organics (Over C28-C36)	453		50.0		mg/Kg		03/31/21 14:42	04/01/21 17:28	1
Total TPH	4540		50.0		mg/Kg		03/31/21 14:42	04/01/21 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	03/31/21 14:42	04/01/21 17:28	1
o-Terphenyl	86		70 - 130	03/31/21 14:42	04/01/21 17:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	229		4.99		mg/Kg			04/08/21 14:09	1

Client Sample ID: Bottom Hole 6 (7'EB)

Lab Sample ID: 880-532-6

Date Collected: 03/19/21 13:34

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00797		0.00200		mg/Kg		03/30/21 12:43	03/31/21 10:28	1
Toluene	0.0571		0.00200		mg/Kg		03/30/21 12:43	03/31/21 10:28	1
Ethylbenzene	0.0312		0.00200		mg/Kg		03/30/21 12:43	03/31/21 10:28	1
m-Xylene & p-Xylene	0.0165		0.00399		mg/Kg		03/30/21 12:43	03/31/21 10:28	1
o-Xylene	0.0672		0.00200		mg/Kg		03/30/21 12:43	03/31/21 10:28	1
Xylenes, Total	0.0837		0.00399		mg/Kg		03/30/21 12:43	03/31/21 10:28	1
Total BTEX	0.180		0.00200		mg/Kg		03/30/21 12:43	03/31/21 10:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130	03/30/21 12:43	03/31/21 10:28	1
1,4-Difluorobenzene (Surr)	82		70 - 130	03/30/21 12:43	03/31/21 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 17:49	1
Diesel Range Organics (Over C10-C28)	589		49.9		mg/Kg		03/31/21 14:42	04/01/21 17:49	1
Oil Range Organics (Over C28-C36)	81.0		49.9		mg/Kg		03/31/21 14:42	04/01/21 17:49	1
Total TPH	670		49.9		mg/Kg		03/31/21 14:42	04/01/21 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	03/31/21 14:42	04/01/21 17:49	1
o-Terphenyl	80		70 - 130	03/31/21 14:42	04/01/21 17:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3		4.99		mg/Kg			04/08/21 14:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 7 (7'EB)

Lab Sample ID: 880-532-7

Date Collected: 03/19/21 13:36

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00280		0.00199		mg/Kg		03/30/21 12:43	03/31/21 10:48	1
Toluene	0.0307		0.00199		mg/Kg		03/30/21 12:43	03/31/21 10:48	1
Ethylbenzene	0.0321		0.00199		mg/Kg		03/30/21 12:43	03/31/21 10:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/21 12:43	03/31/21 10:48	1
o-Xylene	0.0934		0.00199		mg/Kg		03/30/21 12:43	03/31/21 10:48	1
Xylenes, Total	0.0934		0.00398		mg/Kg		03/30/21 12:43	03/31/21 10:48	1
Total BTEX	0.159		0.00199		mg/Kg		03/30/21 12:43	03/31/21 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/30/21 12:43	03/31/21 10:48	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/30/21 12:43	03/31/21 10:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 18:10	1
Diesel Range Organics (Over C10-C28)	299		49.9		mg/Kg		03/31/21 14:42	04/01/21 18:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 18:10	1
Total TPH	299		49.9		mg/Kg		03/31/21 14:42	04/01/21 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/31/21 14:42	04/01/21 18:10	1
o-Terphenyl	86		70 - 130	03/31/21 14:42	04/01/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.2		5.00		mg/Kg			04/08/21 14:29	1

Client Sample ID: Bottom Hole 8 (7'EB)

Lab Sample ID: 880-532-8

Date Collected: 03/19/21 13:38

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00756		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:08	1
Toluene	0.148		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:08	1
Ethylbenzene	0.126		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:08	1
m-Xylene & p-Xylene	0.0626		0.00398		mg/Kg		03/30/21 12:43	03/31/21 11:08	1
o-Xylene	0.292		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:08	1
Xylenes, Total	0.355		0.00398		mg/Kg		03/30/21 12:43	03/31/21 11:08	1
Total BTEX	0.636		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/30/21 12:43	03/31/21 11:08	1
1,4-Difluorobenzene (Surr)	73		70 - 130	03/30/21 12:43	03/31/21 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	139		49.9		mg/Kg		03/31/21 14:42	04/01/21 18:30	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 8 (7'EB)

Lab Sample ID: 880-532-8

Date Collected: 03/19/21 13:38

Matrix: Solid

Date Received: 03/22/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	1250		49.9		mg/Kg		03/31/21 14:42	04/01/21 18:30	1
Oil Range Organics (Over C28-C36)	159		49.9		mg/Kg		03/31/21 14:42	04/01/21 18:30	1
Total TPH	1550		49.9		mg/Kg		03/31/21 14:42	04/01/21 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	03/31/21 14:42	04/01/21 18:30	1
o-Terphenyl	81		70 - 130	03/31/21 14:42	04/01/21 18:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		5.00		mg/Kg			04/08/21 14:34	1

Client Sample ID: Bottom Hole 9 (7'EB)

Lab Sample ID: 880-532-9

Date Collected: 03/19/21 13:40

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/01/21 09:34	04/01/21 13:51	1
Toluene	0.00546		0.00200		mg/Kg		04/01/21 09:34	04/01/21 13:51	1
Ethylbenzene	0.0122		0.00200		mg/Kg		04/01/21 09:34	04/01/21 13:51	1
m-Xylene & p-Xylene	0.0239		0.00399		mg/Kg		04/01/21 09:34	04/01/21 13:51	1
o-Xylene	0.0286		0.00200		mg/Kg		04/01/21 09:34	04/01/21 13:51	1
Xylenes, Total	0.0525		0.00399		mg/Kg		04/01/21 09:34	04/01/21 13:51	1
Total BTEX	0.0702		0.00200		mg/Kg		04/01/21 09:34	04/01/21 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	04/01/21 09:34	04/01/21 13:51	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/01/21 09:34	04/01/21 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		03/31/21 14:42	04/01/21 18:51	1
Diesel Range Organics (Over C10-C28)	776		49.7		mg/Kg		03/31/21 14:42	04/01/21 18:51	1
Oil Range Organics (Over C28-C36)	110		49.7		mg/Kg		03/31/21 14:42	04/01/21 18:51	1
Total TPH	886		49.7		mg/Kg		03/31/21 14:42	04/01/21 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	03/31/21 14:42	04/01/21 18:51	1
o-Terphenyl	79		70 - 130	03/31/21 14:42	04/01/21 18:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.3		5.00		mg/Kg			04/08/21 14:39	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 1

Lab Sample ID: 880-532-10

Date Collected: 03/19/21 13:41

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:49	1
Toluene	0.0244		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:49	1
Ethylbenzene	0.0148		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:49	1
m-Xylene & p-Xylene	0.0396		0.00398		mg/Kg		03/30/21 12:43	03/31/21 11:49	1
o-Xylene	0.0311		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:49	1
Xylenes, Total	0.0707		0.00398		mg/Kg		03/30/21 12:43	03/31/21 11:49	1
Total BTEX	0.110		0.00199		mg/Kg		03/30/21 12:43	03/31/21 11:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	03/30/21 12:43	03/31/21 11:49	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/30/21 12:43	03/31/21 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 19:13	1
Diesel Range Organics (Over C10-C28)	118		50.0		mg/Kg		03/31/21 14:42	04/01/21 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 19:13	1
Total TPH	118		50.0		mg/Kg		03/31/21 14:42	04/01/21 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	03/31/21 14:42	04/01/21 19:13	1
o-Terphenyl	75		70 - 130	03/31/21 14:42	04/01/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.4		5.01		mg/Kg			04/08/21 14:44	1

Client Sample ID: Side Wall 2

Lab Sample ID: 880-532-11

Date Collected: 03/19/21 13:42

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0314		0.00200		mg/Kg		03/30/21 12:43	03/31/21 13:39	1
Toluene	0.208		0.00200		mg/Kg		03/30/21 12:43	03/31/21 13:39	1
Ethylbenzene	0.0529		0.00200		mg/Kg		03/30/21 12:43	03/31/21 13:39	1
m-Xylene & p-Xylene	0.150		0.00399		mg/Kg		03/30/21 12:43	03/31/21 13:39	1
o-Xylene	0.0459		0.00200		mg/Kg		03/30/21 12:43	03/31/21 13:39	1
Xylenes, Total	0.196		0.00399		mg/Kg		03/30/21 12:43	03/31/21 13:39	1
Total BTEX	0.488		0.00200		mg/Kg		03/30/21 12:43	03/31/21 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/30/21 12:43	03/31/21 13:39	1
1,4-Difluorobenzene (Surr)	90		70 - 130	03/30/21 12:43	03/31/21 13:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 19:54	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 2

Date Collected: 03/19/21 13:42

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-11

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 19:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 19:54	1
Total TPH	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				03/31/21 14:42	04/01/21 19:54	1
o-Terphenyl	74		70 - 130				03/31/21 14:42	04/01/21 19:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.9		4.99		mg/Kg			04/08/21 14:49	1

Client Sample ID: Side Wall 3

Date Collected: 03/19/21 13:43

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00207		0.00199		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
Toluene	0.0293		0.00199		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
Ethylbenzene	0.0113		0.00199		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
m-Xylene & p-Xylene	0.0232		0.00398		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
o-Xylene	0.00990		0.00199		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
Xylenes, Total	0.0331		0.00398		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
Total BTEX	0.0758		0.00199		mg/Kg		03/30/21 12:43	03/31/21 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				03/30/21 12:43	03/31/21 14:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/30/21 12:43	03/31/21 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 20:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 20:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 20:15	1
Total TPH	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				03/31/21 14:42	04/01/21 20:15	1
o-Terphenyl	75		70 - 130				03/31/21 14:42	04/01/21 20:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.0		5.04		mg/Kg			04/08/21 15:04	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 4

Lab Sample ID: 880-532-13

Date Collected: 03/19/21 13:44

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00204		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:20	1
Toluene	0.0189		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:20	1
Ethylbenzene	0.0124		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:20	1
m-Xylene & p-Xylene	0.0181		0.00401		mg/Kg		03/30/21 12:43	03/31/21 14:20	1
o-Xylene	0.00786		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:20	1
Xylenes, Total	0.0260		0.00401		mg/Kg		03/30/21 12:43	03/31/21 14:20	1
Total BTEX	0.0593		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	03/30/21 12:43	03/31/21 14:20	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/30/21 12:43	03/31/21 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/31/21 14:42	04/01/21 20:37	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/31/21 14:42	04/01/21 20:37	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/31/21 14:42	04/01/21 20:37	1
Total TPH	<50.1	U	50.1		mg/Kg		03/31/21 14:42	04/01/21 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	03/31/21 14:42	04/01/21 20:37	1
o-Terphenyl	71		70 - 130	03/31/21 14:42	04/01/21 20:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			04/08/21 15:09	1

Client Sample ID: Side Wall 5

Lab Sample ID: 880-532-14

Date Collected: 03/19/21 13:46

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:41	1
Toluene	0.00669		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:41	1
Ethylbenzene	0.00283		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:41	1
m-Xylene & p-Xylene	0.00625		0.00401		mg/Kg		03/30/21 12:43	03/31/21 14:41	1
o-Xylene	0.00241		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:41	1
Xylenes, Total	0.00866		0.00401		mg/Kg		03/30/21 12:43	03/31/21 14:41	1
Total BTEX	0.0182		0.00200		mg/Kg		03/30/21 12:43	03/31/21 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/30/21 12:43	03/31/21 14:41	1
1,4-Difluorobenzene (Surr)	99		70 - 130	03/30/21 12:43	03/31/21 14:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 20:58	1

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Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 5

Date Collected: 03/19/21 13:46

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-14

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 20:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 20:58	1
Total TPH	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/31/21 14:42	04/01/21 20:58	1
o-Terphenyl	86		70 - 130				03/31/21 14:42	04/01/21 20:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			04/08/21 15:23	1

Client Sample ID: Side Wall 6

Date Collected: 03/19/21 13:48

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
Toluene	0.0302		0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
Ethylbenzene	0.00753		0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
m-Xylene & p-Xylene	0.0226		0.00398		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
o-Xylene	0.00685		0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
Xylenes, Total	0.0295		0.00398		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
Total BTEX	0.0672		0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				04/02/21 13:15	04/02/21 21:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130				04/02/21 13:15	04/02/21 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 21:19	1
Diesel Range Organics (Over C10-C28)	62.3		49.8		mg/Kg		03/31/21 14:42	04/01/21 21:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 21:19	1
Total TPH	62.3		49.8		mg/Kg		03/31/21 14:42	04/01/21 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/31/21 14:42	04/01/21 21:19	1
o-Terphenyl	84		70 - 130				03/31/21 14:42	04/01/21 21:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.69		5.05		mg/Kg			04/08/21 15:28	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 7

Lab Sample ID: 880-532-16

Date Collected: 03/19/21 13:49

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/21 12:43	03/31/21 15:21	1
Toluene	0.00882		0.00199		mg/Kg		03/30/21 12:43	03/31/21 15:21	1
Ethylbenzene	0.00214		0.00199		mg/Kg		03/30/21 12:43	03/31/21 15:21	1
m-Xylene & p-Xylene	0.00799		0.00398		mg/Kg		03/30/21 12:43	03/31/21 15:21	1
o-Xylene	0.00308		0.00199		mg/Kg		03/30/21 12:43	03/31/21 15:21	1
Xylenes, Total	0.0111		0.00398		mg/Kg		03/30/21 12:43	03/31/21 15:21	1
Total BTEX	0.0220		0.00199		mg/Kg		03/30/21 12:43	03/31/21 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	03/30/21 12:43	03/31/21 15:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/30/21 12:43	03/31/21 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 21:40	1
Diesel Range Organics (Over C10-C28)	76.0		49.9		mg/Kg		03/31/21 14:42	04/01/21 21:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 21:40	1
Total TPH	76.0		49.9		mg/Kg		03/31/21 14:42	04/01/21 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	03/31/21 14:42	04/01/21 21:40	1
o-Terphenyl	80		70 - 130	03/31/21 14:42	04/01/21 21:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.9		5.05		mg/Kg			04/08/21 15:33	1

Client Sample ID: Side Wall 8

Lab Sample ID: 880-532-17

Date Collected: 03/19/21 13:51

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:29	1
Toluene	0.0829		0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:29	1
Ethylbenzene	<1.00	U H	1.00		mg/Kg		04/03/21 13:57	04/03/21 20:33	500
m-Xylene & p-Xylene	<2.00	U H	2.00		mg/Kg		04/03/21 13:57	04/03/21 20:33	500
o-Xylene	0.165		0.00199		mg/Kg		04/02/21 13:15	04/02/21 21:29	1
Xylenes, Total	9.29	H	2.00		mg/Kg		04/03/21 13:57	04/03/21 20:33	500
Total BTEX	9.29	H	1.00		mg/Kg		04/03/21 13:57	04/03/21 20:33	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	1502	S1+	70 - 130	04/02/21 13:15	04/02/21 21:29	1
1,4-Difluorobenzene (Surr)	84		70 - 130	04/02/21 13:15	04/02/21 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 22:01	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 8

Date Collected: 03/19/21 13:51

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-17

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 22:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 22:01	1
Total TPH	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 22:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/31/21 14:42	04/01/21 22:01	1
o-Terphenyl	99		70 - 130				03/31/21 14:42	04/01/21 22:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.5		4.99		mg/Kg			04/08/21 15:38	1

Client Sample ID: Side Wall 9

Date Collected: 03/19/21 13:52

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-18

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0346		0.00198		mg/Kg		03/30/21 12:43	03/31/21 16:02	1
Toluene	0.0745		0.0401		mg/Kg		04/01/21 09:34	04/01/21 16:37	20
Ethylbenzene	2.43		0.0401		mg/Kg		04/01/21 09:34	04/01/21 16:37	20
m-Xylene & p-Xylene	6.59		0.0802		mg/Kg		04/01/21 09:34	04/01/21 16:37	20
o-Xylene	<0.0401	U	0.0401		mg/Kg		04/01/21 09:34	04/01/21 16:37	20
Xylenes, Total	6.59		0.0802		mg/Kg		04/01/21 09:34	04/01/21 16:37	20
Total BTEX	9.09		0.0401		mg/Kg		04/01/21 09:34	04/01/21 16:37	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/30/21 12:43	03/31/21 16:02	1
1,4-Difluorobenzene (Surr)	100		70 - 130				03/30/21 12:43	03/31/21 16:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	210		50.0		mg/Kg		03/31/21 14:42	04/01/21 22:22	1
Diesel Range Organics (Over C10-C28)	116		50.0		mg/Kg		03/31/21 14:42	04/01/21 22:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 14:42	04/01/21 22:22	1
Total TPH	326		50.0		mg/Kg		03/31/21 14:42	04/01/21 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/31/21 14:42	04/01/21 22:22	1
o-Terphenyl	81		70 - 130				03/31/21 14:42	04/01/21 22:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.8		4.96		mg/Kg			04/08/21 15:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 10

Lab Sample ID: 880-532-19

Date Collected: 03/19/21 13:53

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0100	U	0.0100		mg/Kg		04/01/21 09:34	04/01/21 15:56	5
Toluene	<0.0100	U	0.0100		mg/Kg		04/01/21 09:34	04/01/21 15:56	5
Ethylbenzene	0.0201		0.0100		mg/Kg		04/01/21 09:34	04/01/21 15:56	5
m-Xylene & p-Xylene	0.0475		0.0200		mg/Kg		04/01/21 09:34	04/01/21 15:56	5
o-Xylene	<0.0100	U	0.0100		mg/Kg		04/01/21 09:34	04/01/21 15:56	5
Xylenes, Total	0.0475		0.0200		mg/Kg		04/01/21 09:34	04/01/21 15:56	5
Total BTEX	0.0676		0.0100		mg/Kg		04/01/21 09:34	04/01/21 15:56	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	43	S1-	70 - 130	04/01/21 09:34	04/01/21 15:56	5
1,4-Difluorobenzene (Surr)	114		70 - 130	04/01/21 09:34	04/01/21 15:56	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 22:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 22:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 22:43	1
Total TPH	<49.9	U	49.9		mg/Kg		03/31/21 14:42	04/01/21 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	03/31/21 14:42	04/01/21 22:43	1
o-Terphenyl	76		70 - 130	03/31/21 14:42	04/01/21 22:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.3		5.02		mg/Kg			04/08/21 15:48	1

Client Sample ID: Side Wall 11

Lab Sample ID: 880-532-20

Date Collected: 03/19/21 13:54

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/21 12:43	03/31/21 16:43	1
Toluene	0.00487		0.00201		mg/Kg		03/30/21 12:43	03/31/21 16:43	1
Ethylbenzene	0.00718		0.00201		mg/Kg		03/30/21 12:43	03/31/21 16:43	1
m-Xylene & p-Xylene	0.0256		0.00402		mg/Kg		03/30/21 12:43	03/31/21 16:43	1
o-Xylene	0.0104		0.00201		mg/Kg		03/30/21 12:43	03/31/21 16:43	1
Xylenes, Total	0.0360		0.00402		mg/Kg		03/30/21 12:43	03/31/21 16:43	1
Total BTEX	0.0481		0.00201		mg/Kg		03/30/21 12:43	03/31/21 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	03/30/21 12:43	03/31/21 16:43	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/30/21 12:43	03/31/21 16:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 23:04	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 11

Lab Sample ID: 880-532-20

Date Collected: 03/19/21 13:54

Matrix: Solid

Date Received: 03/22/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 23:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 23:04	1
Total TPH	<49.8	U	49.8		mg/Kg		03/31/21 14:42	04/01/21 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/31/21 14:42	04/01/21 23:04	1
o-Terphenyl	80		70 - 130				03/31/21 14:42	04/01/21 23:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.31		5.03		mg/Kg			04/08/21 15:53	1

Client Sample ID: Side Wall 12

Lab Sample ID: 880-532-21

Date Collected: 03/19/21 13:55

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00876		0.00201		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
Toluene	0.183		0.00201		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
Ethylbenzene	0.0655		0.00201		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
m-Xylene & p-Xylene	0.174		0.00402		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
o-Xylene	0.0858		0.00201		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
Xylenes, Total	0.260		0.00402		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
Total BTEX	0.517		0.00201		mg/Kg		03/30/21 12:03	03/31/21 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/30/21 12:03	03/31/21 05:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/30/21 12:03	03/31/21 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 11:46	1
Diesel Range Organics (Over C10-C28)	1240	F1	49.9		mg/Kg		03/31/21 13:38	04/01/21 11:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 11:46	1
Total TPH	1240		49.9		mg/Kg		03/31/21 13:38	04/01/21 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				03/31/21 13:38	04/01/21 11:46	1
o-Terphenyl	19	S1-	70 - 130				03/31/21 13:38	04/01/21 11:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		4.99		mg/Kg			04/07/21 19:43	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 13

Date Collected: 03/19/21 13:56

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-22

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.101	U	0.101		mg/Kg		03/30/21 14:12	04/01/21 11:23	50
Toluene	1.23		0.101		mg/Kg		03/30/21 14:12	04/01/21 11:23	50
Ethylbenzene	1.30		0.101		mg/Kg		03/30/21 14:12	04/01/21 11:23	50
m-Xylene & p-Xylene	4.57		0.202		mg/Kg		03/30/21 14:12	04/01/21 11:23	50
o-Xylene	1.70		0.101		mg/Kg		03/30/21 14:12	04/01/21 11:23	50
Xylenes, Total	6.27		0.202		mg/Kg		03/30/21 14:12	04/01/21 11:23	50
Total BTEX	8.80		0.101		mg/Kg		03/30/21 14:12	04/01/21 11:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/30/21 14:12	04/01/21 11:23	50
1,4-Difluorobenzene (Surr)	90		70 - 130	03/30/21 14:12	04/01/21 11:23	50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	85.3		49.9		mg/Kg		03/31/21 13:38	04/01/21 13:00	1
Diesel Range Organics (Over C10-C28)	60.6		49.9		mg/Kg		03/31/21 13:38	04/01/21 13:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 13:00	1
Total TPH	146		49.9		mg/Kg		03/31/21 13:38	04/01/21 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	03/31/21 13:38	04/01/21 13:00	1
o-Terphenyl	73		70 - 130	03/31/21 13:38	04/01/21 13:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.9		4.96		mg/Kg			04/07/21 19:58	1

Client Sample ID: Side Wall 14

Date Collected: 03/19/21 13:57

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-23

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00253		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:19	1
Toluene	0.0215		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:19	1
Ethylbenzene	0.00931		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:19	1
m-Xylene & p-Xylene	0.0317		0.00401		mg/Kg		03/30/21 14:12	04/01/21 08:19	1
o-Xylene	0.0128		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:19	1
Xylenes, Total	0.0445		0.00401		mg/Kg		03/30/21 14:12	04/01/21 08:19	1
Total BTEX	0.0778		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130	03/30/21 14:12	04/01/21 08:19	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/30/21 14:12	04/01/21 08:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U H *+	50.1		mg/Kg		04/05/21 08:58	04/05/21 23:55	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 14

Lab Sample ID: 880-532-23

Date Collected: 03/19/21 13:57

Matrix: Solid

Date Received: 03/22/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.1	U H	50.1		mg/Kg		04/05/21 08:58	04/05/21 23:55	1
Oil Range Organics (Over C28-C36)	<50.1	U H	50.1		mg/Kg		04/05/21 08:58	04/05/21 23:55	1
Total TPH	<50.1	U H	50.1		mg/Kg		04/05/21 08:58	04/05/21 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				04/05/21 08:58	04/05/21 23:55	1
o-Terphenyl	100		70 - 130				04/05/21 08:58	04/05/21 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		4.95		mg/Kg			04/07/21 20:03	1

Client Sample ID: Side Wall 15

Lab Sample ID: 880-532-24

Date Collected: 03/19/21 13:59

Matrix: Solid

Date Received: 03/22/21 09:30

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
Toluene	0.0164		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
Ethylbenzene	0.00587		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
m-Xylene & p-Xylene	0.0179		0.00401		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
o-Xylene	0.00597		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
Xylenes, Total	0.0239		0.00401		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
Total BTEX	0.0461		0.00200		mg/Kg		03/30/21 14:12	04/01/21 08:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				03/30/21 14:12	04/01/21 08:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130				03/30/21 14:12	04/01/21 08:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		03/31/21 13:38	04/01/21 22:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		03/31/21 13:38	04/01/21 22:43	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/31/21 13:38	04/01/21 22:43	1
Total TPH	<50.1	U	50.1		mg/Kg		03/31/21 13:38	04/01/21 22:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/31/21 13:38	04/01/21 22:43	1
o-Terphenyl	92		70 - 130				03/31/21 13:38	04/01/21 22:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		5.04		mg/Kg			04/07/21 20:08	1

Eurofins Xenco, Midland

Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 16

Date Collected: 03/19/21 14:02

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-25

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:00	1
m-Xylene & p-Xylene	0.00571		0.00402		mg/Kg		03/30/21 14:12	04/01/21 09:00	1
o-Xylene	0.00246		0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:00	1
Xylenes, Total	0.00817		0.00402		mg/Kg		03/30/21 14:12	04/01/21 09:00	1
Total BTEX	0.00817		0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	03/30/21 14:12	04/01/21 09:00	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/30/21 14:12	04/01/21 09:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/31/21 13:38	04/01/21 17:28	1
Diesel Range Organics (Over C10-C28)	118		50.0		mg/Kg		03/31/21 13:38	04/01/21 17:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/31/21 13:38	04/01/21 17:28	1
Total TPH	118		50.0		mg/Kg		03/31/21 13:38	04/01/21 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	03/31/21 13:38	04/01/21 17:28	1
o-Terphenyl	1	S1-	70 - 130	03/31/21 13:38	04/01/21 17:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.7		5.02		mg/Kg			04/07/21 20:13	1

Client Sample ID: Side Wall 17

Date Collected: 03/19/21 14:05

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-26

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/30/21 14:12	04/01/21 09:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/30/21 14:12	04/01/21 09:21	1
Total BTEX	<0.00201	U	0.00201		mg/Kg		03/30/21 14:12	04/01/21 09:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	03/30/21 14:12	04/01/21 09:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/30/21 14:12	04/01/21 09:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 17:49	1

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Client Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 17

Date Collected: 03/19/21 14:05

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-26

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 17:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 17:49	1
Total TPH	<49.9	U	49.9		mg/Kg		03/31/21 13:38	04/01/21 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				03/31/21 13:38	04/01/21 17:49	1
o-Terphenyl	90		70 - 130				03/31/21 13:38	04/01/21 17:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.11		5.02		mg/Kg			04/07/21 20:28	1

Client Sample ID: Side Wall 18

Date Collected: 03/19/21 04:08

Date Received: 03/22/21 09:30

Lab Sample ID: 880-532-27

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
Toluene	0.00768		0.00200		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
Ethylbenzene	0.00611		0.00200		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
m-Xylene & p-Xylene	0.0103		0.00401		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
o-Xylene	0.00994		0.00200		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
Xylenes, Total	0.0202		0.00401		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
Total BTEX	0.0340		0.00200		mg/Kg		03/30/21 14:12	04/01/21 09:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				03/30/21 14:12	04/01/21 09:41	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/30/21 14:12	04/01/21 09:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/31/21 13:39	04/01/21 18:10	1
Diesel Range Organics (Over C10-C28)	1060		49.9		mg/Kg		03/31/21 13:39	04/01/21 18:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/31/21 13:39	04/01/21 18:10	1
Total TPH	1060		49.9		mg/Kg		03/31/21 13:39	04/01/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/31/21 13:39	04/01/21 18:10	1
o-Terphenyl	72		70 - 130				03/31/21 13:39	04/01/21 18:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.8		4.98		mg/Kg			04/07/21 20:32	1

Eurofins Xenco, Midland

Surrogate Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-532-1	Bottom Hole 1 (7'EB)	108	103
880-532-1 MS	Bottom Hole 1 (7'EB)	123	89
880-532-1 MSD	Bottom Hole 1 (7'EB)	298 S1+	57 S1-
880-532-2	Bottom Hole 2 (7'EB)	138 S1+	78
880-532-3	Bottom Hole 3 (7'EB)	130	90
880-532-4	Bottom Hole 4 (7'EB)	113	101
880-532-5	Bottom Hole 5 (7'EB)	102	79
880-532-6	Bottom Hole 6 (7'EB)	152 S1+	82
880-532-7	Bottom Hole 7 (7'EB)	101	95
880-532-8	Bottom Hole 8 (7'EB)	94	73
880-532-9	Bottom Hole 9 (7'EB)	140 S1+	109
880-532-10	Side Wall 1	99	103
880-532-11	Side Wall 2	90	90
880-532-12	Side Wall 3	132 S1+	92
880-532-13	Side Wall 4	95	83
880-532-14	Side Wall 5	112	99
880-532-15	Side Wall 6	110	101
880-532-16	Side Wall 7	130	95
880-532-17	Side Wall 8	1502 S1+	84
880-532-18	Side Wall 9	101	100
880-532-19	Side Wall 10	43 S1-	114
880-532-20	Side Wall 11	113	87
880-532-21	Side Wall 12	105	89
880-532-22	Side Wall 13	103	90
880-532-23	Side Wall 14	150 S1+	94
880-532-23 MS	Side Wall 14	97	95
880-532-23 MSD	Side Wall 14	99	96
880-532-24	Side Wall 15	108	97
880-532-25	Side Wall 16	122	95
880-532-26	Side Wall 17	111	101
880-532-27	Side Wall 18	116	92
LCS 880-1068/1-A	Lab Control Sample	100	95
LCS 880-1069/1-A	Lab Control Sample	101	99
LCS 880-1073/1-A	Lab Control Sample	102	100
LCS 880-1146/1-A	Lab Control Sample	101	104
LCS 880-1247/1-A	Lab Control Sample	110	100
LCS 880-1250/1-A	Lab Control Sample	102	98
LCS 880-1284/1-A	Lab Control Sample	99	98
LCS 880-1560/1-A	Lab Control Sample	91	100
LCSD 880-1068/2-A	Lab Control Sample Dup	100	98
LCSD 880-1069/2-A	Lab Control Sample Dup	102	100
LCSD 880-1073/2-A	Lab Control Sample Dup	102	96
LCSD 880-1146/2-A	Lab Control Sample Dup	107	103
LCSD 880-1247/2-A	Lab Control Sample Dup	105	100
LCSD 880-1250/2-A	Lab Control Sample Dup	101	99
LCSD 880-1284/2-A	Lab Control Sample Dup	101	98
LCSD 880-1560/2-A	Lab Control Sample Dup	97	100
MB 880-1068/5-A	Method Blank	103	97
MB 880-1069/5-A	Method Blank	103	97

Eurofins Xenco, Midland

Surrogate Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
MB 880-1073/5-A	Method Blank	107	95
MB 880-1074/5-A	Method Blank	106	96
MB 880-1102/5-A	Method Blank	106	96
MB 880-1146/5-A	Method Blank	105	101
MB 880-1247/5-A	Method Blank	105	101
MB 880-1284/5-A	Method Blank	106	99
MB 880-1560/5-A	Method Blank	102	100
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-532-1	Bottom Hole 1 (7'EB)	93	87
880-532-1 MS	Bottom Hole 1 (7'EB)	96	80
880-532-1 MSD	Bottom Hole 1 (7'EB)	100	81
880-532-2	Bottom Hole 2 (7'EB)	73	70
880-532-3	Bottom Hole 3 (7'EB)	99	88
880-532-4	Bottom Hole 4 (7'EB)	96	83
880-532-5	Bottom Hole 5 (7'EB)	104	86
880-532-6	Bottom Hole 6 (7'EB)	87	80
880-532-7	Bottom Hole 7 (7'EB)	101	86
880-532-8	Bottom Hole 8 (7'EB)	95	81
880-532-9	Bottom Hole 9 (7'EB)	89	79
880-532-10	Side Wall 1	85	75
880-532-11	Side Wall 2	83	74
880-532-12	Side Wall 3	89	75
880-532-13	Side Wall 4	83	71
880-532-14	Side Wall 5	90	86
880-532-15	Side Wall 6	95	84
880-532-16	Side Wall 7	89	80
880-532-17	Side Wall 8	108	99
880-532-18	Side Wall 9	97	81
880-532-19	Side Wall 10	83	76
880-532-20	Side Wall 11	86	80
880-532-21	Side Wall 12	90	19 S1-
880-532-21 MS	Side Wall 12	96	26 S1-
880-532-21 MSD	Side Wall 12	97	65 S1-
880-532-22	Side Wall 13	82	73
880-532-23	Side Wall 14	107	100
880-532-24	Side Wall 15	102	92
880-532-25	Side Wall 16	99	1 S1-
880-532-26	Side Wall 17	101	90
880-532-27	Side Wall 18	97	72
LCS 880-1108/2-A	Lab Control Sample	107	9 S1-
LCS 880-1117/2-A	Lab Control Sample	108	94

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Surrogate Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
LCS 880-1301/2-A	Lab Control Sample	106	100
LCSD 880-1108/3-A	Lab Control Sample Dup	107	10 S1-
LCSD 880-1117/3-A	Lab Control Sample Dup	102	94
LCSD 880-1301/3-A	Lab Control Sample Dup	115	109
MB 880-1108/1-A	Method Blank	110	106
MB 880-1117/1-A	Method Blank	118	116
MB 880-1301/1-A	Method Blank	104	107

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-1068/5-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1068

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		03/30/21 12:03	03/30/21 20:K2	1
Toluene	<0.00200	U	0.00200		mF/gF		03/30/21 12:03	03/30/21 20:K2	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		03/30/21 12:03	03/30/21 20:K2	1
m-6 ylene 9 O-6 ylene	<0.00K00	U	0.00K00		mF/gF		03/30/21 12:03	03/30/21 20:K2	1
o-6 ylene	<0.00200	U	0.00200		mF/gF		03/30/21 12:03	03/30/21 20:K2	1
6 ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		03/30/21 12:03	03/30/21 20:K2	1
Total BTE6	<0.00200	U	0.00200		mF/gF		03/30/21 12:03	03/30/21 20:K2	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 180	08/30/21 11/28	08/30/21 1/02/	1
164-, Fluorobenzene (Surr)	: 7		70 - 180	08/30/21 11/28	08/30/21 1/02/	1

Lab Sample ID: LCS 880-1068/1-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1068

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.100(		mF/gF		101	) 0 - 130
Toluene	0.100	0.10X5		mF/gF		10X	) 0 - 130
Et4ylbenzene	0.100	0.10(K		mF/gF		10(	) 0 - 130
m-6 ylene 9 O-6 ylene	0.200	0.2230		mF/gF		111	) 0 - 130
o-6 ylene	0.100	0.10()		mF/gF		108	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 180
164-, Fluorobenzene (Surr)	: i		70 - 180

Lab Sample ID: LCSD 880-1068/2-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1068

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.105K		mF/gF		105	) 0 - 130	K	35
Toluene	0.100	0.10(2		mF/gF		10(	) 0 - 130	3	35
Et4ylbenzene	0.100	0.113(		mF/gF		11K	) 0 - 130	K	35
m-6 ylene 9 O-6 ylene	0.200	0.232(		mF/gF		11X	) 0 - 130	K	35
o-6 ylene	0.100	0.112X		mF/gF		113	) 0 - 130	K	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 180
164-, Fluorobenzene (Surr)	: C		70 - 180

Lab Sample ID: MB 880-1069/5-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: MB 880-1069/5-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1
o-6ylene	<0.00200	U	0.00200		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1
Total BTE6	<0.00200	U	0.00200		mF/gF		03/30/21 12:K3	03/31/21 08:1)	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 180	08/30/21 11/248	08/31/21 10C217	1
164-, Fluorobenzene (Surr)	: 7		70 - 180	08/30/21 11/248	08/31/21 10C217	1

Lab Sample ID: LCS 880-1069/1-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.10) 8		mF/gF		108	) 0 - 130
Toluene	0.100	0.1103		mF/gF		110	) 0 - 130
Et4ylbenzene	0.100	0.11K3		mF/gF		11K	) 0 - 130
m-6ylene 9 O-6ylene	0.200	0.2331		mF/gF		11)	) 0 - 130
o-6ylene	0.100	0.11KX		mF/gF		115	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 180
164-, Fluorobenzene (Surr)	::		70 - 180

Lab Sample ID: LCSD 880-1069/2-A

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1069

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.10K0		mF/gF		10K	) 0 - 130	K	35
Toluene	0.100	0.1080		mF/gF		108	) 0 - 130	2	35
Et4ylbenzene	0.100	0.1118		mF/gF		112	) 0 - 130	2	35
m-6ylene 9 O-6ylene	0.200	0.22) K		mF/gF		11K	) 0 - 130	2	35
o-6ylene	0.100	0.1120		mF/gF		112	) 0 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	10/		70 - 180
164-, Fluorobenzene (Surr)	100		70 - 180

Lab Sample ID: 880-532-1 MS

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Total/NA

Prep Batch: 1069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U, 1	0.0((8	0.03818	, 1	mF/gF		38) 0 - 130
Toluene	<0.00200	U, 1, 2	0.0((8	0.052K3	, 1	mF/gF		53) 0 - 130

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: 880-532-1 MS

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Total/NA

Prep Batch: 1069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Et4ylbenzene	0.00K32	, 1, 2	0.0((8	0.05(58	, 1	mF/gF		55	) 0 - 130
m-6ylene 9 O-6ylene	0.00K) 3	, 1, 2	0.200	0.1221	, 1	mF/gF		5(	) 0 - 130
o-6ylene	0.003) X	, 1, 2	0.0((8	0.0XK0	, 1	mF/gF		X0	) 0 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	1/ 8		70 - 180
164-, Fluorobenzene (Surr)	C		70 - 180

Lab Sample ID: 880-532-1 MSD

Matrix: Solid

Analysis Batch: 1078

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Total/NA

Prep Batch: 1069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U, 1	0.0((X	0.02((0	, 1	mF/gF		28	) 0 - 130	31	35
Toluene	<0.00200	U, 1, 2	0.0((X	0.02(30	, 1, 2	mF/gF		2(	) 0 - 130	5)	35
Et4ylbenzene	0.00K32	, 1, 2	0.0((X	0.01K13	, 1, 2	mF/gF		10	) 0 - 130	123	35
m-6ylene 9 O-6ylene	0.00K) 3	, 1, 2	0.1( (	0.2K11	, 2	mF/gF		11(	) 0 - 130	XX	35
o-6ylene	0.003) X	, 1, 2	0.0((X	0.1102	, 2	mF/gF		10)	) 0 - 130	53	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	/ : C S1h		70 - 180
164-, Fluorobenzene (Surr)	i 7 S1-		70 - 180

Lab Sample ID: MB 880-1073/5-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1073

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1
Toluene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1
o-6ylene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1
Total BTE6	<0.00200	U	0.00200		mF/gF		03/30/21 1K:12	0K/01/21 0):50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 180	08303 1 1421/	043013 1 072 0	1
164-, Fluorobenzene (Surr)	: i		70 - 180	08303 1 1421/	043013 1 072 0	1

Lab Sample ID: LCS 880-1073/1-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.0() (2		mF/gF		(8) 0 - 130
Toluene	0.100	0.10KX		mF/gF		105) 0 - 130
Et4ylbenzene	0.100	0.10X(mF/gF		10)) 0 - 130

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: LCS 880-1073/1-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1073

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-6ylene 9 O-6ylene	0.200	0.21)	K	mF/gF		10(	) 0 - 130
o-6ylene	0.100	0.10)	K	mF/gF		10)	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	10/		70 - 180
1,4-Difluorobenzene (Surr)	100		70 - 180

Lab Sample ID: LCSD 880-1073/2-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1073

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08583		mF/gF		8X	) 0 - 130	13	35
Toluene	0.100	0.0(5(8		mF/gF		(X	) 0 - 130	(	35
Et4ylbenzene	0.100	0.100(		mF/gF		101	) 0 - 130	X	35
m-6ylene 9 O-6ylene	0.200	0.20X0		mF/gF		103	) 0 - 130	5	35
o-6ylene	0.100	0.101X		mF/gF		102	) 0 - 130	X	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	10/		70 - 180
1,4-Difluorobenzene (Surr)	: c		70 - 180

Lab Sample ID: 880-532-23 MS

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Side Wall 14

Prep Type: Total/NA

Prep Batch: 1073

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00253		0.0((8	0.0812K		mF/gF		) (	) 0 - 130
Toluene	0.0215		0.0((8	0.1K03		mF/gF		11(	) 0 - 130
Et4ylbenzene	0.00(31		0.0((8	0.1010		mF/gF		(2	) 0 - 130
m-6ylene 9 O-6ylene	0.031)		0.200	0.22K(		mF/gF		( )	) 0 - 130
o-6ylene	0.0128		0.0((8	0.0((31		mF/gF		8)	) 0 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	: 7		70 - 180
1,4-Difluorobenzene (Surr)	: i		70 - 180

Lab Sample ID: 880-532-23 MSD

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Side Wall 14

Prep Type: Total/NA

Prep Batch: 1073

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00253		0.0((X	0.0) K5K		mF/gF		) 2	) 0 - 130	(	35
Toluene	0.0215		0.0((X	0.1218		mF/gF		101	) 0 - 130	1K	35
Et4ylbenzene	0.00(31		0.0((X	0.0(1X2		mF/gF		83	) 0 - 130	10	35
m-6ylene 9 O-6ylene	0.031)		0.1((0.2028		mF/gF		8X) 0 - 130	10	35
o-6ylene	0.0128		0.0((X	0.0(0(5		mF/gF) () 0 - 130	(35

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: 880-532-23 MSD

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Side Wall 14

Prep Type: Total/NA

Prep Batch: 1073

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	U	70 - 180
1,4-Difluorobenzene (Surr)	100	U	70 - 180

Lab Sample ID: MB 880-1074/5-A

Matrix: Solid

Analysis Batch: 1122

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:38	03/31/21 20:15	1
Toluene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:38	03/31/21 20:15	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:38	03/31/21 20:15	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		03/30/21 1K:38	03/31/21 20:15	1
o-6ylene	<0.00200	U	0.00200		mF/gF		03/30/21 1K:38	03/31/21 20:15	1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		03/30/21 1K:38	03/31/21 20:15	1
Total BTE6	<0.00200	U	0.00200		mF/gF		03/30/21 1K:38	03/31/21 20:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	U	70 - 180	08/30/21 14:28	08/31/21 10:21	1
1,4-Difluorobenzene (Surr)	100	U	70 - 180	08/30/21 14:28	08/31/21 10:21	1

Lab Sample ID: MB 880-1102/5-A

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1
Toluene	<0.00200	U	0.00200		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1
o-6ylene	<0.00200	U	0.00200		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1
Total BTE6	<0.00200	U	0.00200		mF/gF		03/31/21 11:K1	0K/02/21 0):2X	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100	U	70 - 180	08/31/21 11:21	04/30/21 07:21	1
1,4-Difluorobenzene (Surr)	100	U	70 - 180	08/31/21 11:21	04/30/21 07:21	1

Lab Sample ID: MB 880-1146/5-A

Matrix: Solid

Analysis Batch: 1148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		0K/01/21 0):3K	0K/01/21 13:0(	1
Toluene	<0.00200	U	0.00200		mF/gF		0K/01/21 0):3K	0K/01/21 13:0(	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		0K/01/21 0):3K	0K/01/21 13:0(	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		0K/01/21 0):3K	0K/01/21 13:0(	1
o-6ylene	<0.00200	U	0.00200		mF/gF		0K/01/21 0):3K	0K/01/21 13:0(1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		0K/01/21 0):3K	0K/01/21 13:0(1

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: MB 880-1146/5-A

Matrix: Solid

Analysis Batch: 1148

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTE6	<0.00200	U	0.00200		mF/gF		0K/01/21 0(:3K	0K/01/21 13:0(	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10i		70 - 180	04/01/21 10: 24	04/01/21 18:20	1
1,4-Difluorobenzene (Surr)	101		70 - 180	04/01/21 10: 24	04/01/21 18:20	1

Lab Sample ID: LCS 880-1146/1-A

Matrix: Solid

Analysis Batch: 1148

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08(1(		mF/gF		8)	) 0 - 130
Toluene	0.100	0.080( (		mF/gF		81	) 0 - 130
Et4ylbenzene	0.100	0.0835X		mF/gF		8K	) 0 - 130
m-6ylene 9 O-6ylene	0.200	0.1X8(		mF/gF		8K	) 0 - 130
o-6ylene	0.100	0.08X(1		mF/gF		8)	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 180
1,4-Difluorobenzene (Surr)	104		70 - 180

Lab Sample ID: LCSD 880-1146/2-A

Matrix: Solid

Analysis Batch: 1148

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1146

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.0883(		mF/gF		88	) 0 - 130	1	35
Toluene	0.100	0.082X(		mF/gF		83	) 0 - 130	2	35
Et4ylbenzene	0.100	0.08XX3		mF/gF		8)	) 0 - 130	K	35
m-6ylene 9 O-6ylene	0.200	0.1) 5K		mF/gF		88	) 0 - 130	K	35
o-6ylene	0.100	0.0(110		mF/gF		(1	) 0 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 180
1,4-Difluorobenzene (Surr)	108		70 - 180

Lab Sample ID: MB 880-1247/5-A

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1
Toluene	<0.00200	U	0.00200		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1
o-6ylene	<0.00200	U	0.00200		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1
Total BTE6	<0.00200	U	0.00200		mF/gF		0K/02/21 13:15	0K/02/21 20:28	1

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10i		70 - 180	0430/31182i	0430/31102C	1
1,4-Difluorobenzene (Surr)	101		70 - 180	0430/31182i	0430/31102C	1

Lab Sample ID: LCS 880-1247/1-A

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.0() 5		mF/gF		100	) 0 - 130
Toluene	0.100	0.10K5		mF/gF		10K	) 0 - 130
Et4ylbenzene	0.100	0.1120		mF/gF		112	) 0 - 130
m-6 ylene 9 O-6 ylene	0.200	0.22X		mF/gF		113	) 0 - 130
o-6 ylene	0.100	0.112X		mF/gF		113	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 180
1,4-Difluorobenzene (Surr)	100		70 - 180

Lab Sample ID: LCSD 880-1247/2-A

Matrix: Solid

Analysis Batch: 1205

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1001		mF/gF		100	) 0 - 130	0	35
Toluene	0.100	0.102)		mF/gF		103	) 0 - 130	2	35
Et4ylbenzene	0.100	0.10(2		mF/gF		10(	) 0 - 130	2	35
m-6 ylene 9 O-6 ylene	0.200	0.220(		mF/gF		110	) 0 - 130	3	35
o-6 ylene	0.100	0.10) K		mF/gF		10)	) 0 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	10i		70 - 180
1,4-Difluorobenzene (Surr)	100		70 - 180

Lab Sample ID: LCS 880-1250/1-A

Matrix: Solid

Analysis Batch: 1285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.0(80(		mF/gF		(8	) 0 - 130
Toluene	0.100	0.1003		mF/gF		100	) 0 - 130
Et4ylbenzene	0.100	0.10KX		mF/gF		105	) 0 - 130
m-6 ylene 9 O-6 ylene	0.200	0.210K		mF/gF		105	) 0 - 130
o-6 ylene	0.100	0.10X(		mF/gF		10)	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	10/		70 - 180
1,4-Difluorobenzene (Surr)	: C		70 - 180

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-1250/2-A

Matrix: Solid

Analysis Batch: 1285

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1250

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1002		mF/gF		100	) 0 - 130	2	35
Toluene	0.100	0.1018		mF/gF		102	) 0 - 130	1	35
Et4ylbenzene	0.100	0.10) 2		mF/gF		10)	) 0 - 130	2	35
m-6 ylene 9 O-6 ylene	0.200	0.21X5		mF/gF		108	) 0 - 130	3	35
o-6 ylene	0.100	0.1082		mF/gF		108	) 0 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 180
1,4-Difluorobenzene (Surr)	::		70 - 180

Lab Sample ID: MB 880-1284/5-A

Matrix: Solid

Analysis Batch: 1285

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1284

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1
Toluene	<0.00200	U	0.00200		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1
m-6 ylene 9 O-6 ylene	<0.00K00	U	0.00K00		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1
o-6 ylene	<0.00200	U	0.00200		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1
6 ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1
Total BTE6	<0.00200	U	0.00200		mF/gF		0K/03/21 13:5)	0K/03/21 18:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10c		70 - 180	04/08/21 18:27	04/08/21 18:01	1
1,4-Difluorobenzene (Surr)	::		70 - 180	04/08/21 18:27	04/08/21 18:01	1

Lab Sample ID: LCS 880-1284/1-A

Matrix: Solid

Analysis Batch: 1285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1284

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.0() 81		mF/gF		(8	) 0 - 130
Toluene	0.100	0.100X		mF/gF		101	) 0 - 130
Et4ylbenzene	0.100	0.10))		mF/gF		108	) 0 - 130
m-6 ylene 9 O-6 ylene	0.200	0.21XX		mF/gF		108	) 0 - 130
o-6 ylene	0.100	0.10X1		mF/gF		10X	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	::		70 - 180
1,4-Difluorobenzene (Surr)	: C		70 - 180

Lab Sample ID: LCSD 880-1284/2-A

Matrix: Solid

Analysis Batch: 1285

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1284

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.0((35		mF/gF		(() 0 - 130	2	35

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-1284/2-A

Matrix: Solid

Analysis Batch: 1285

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1284

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.101)		mF/gF		102	) 0 - 130	1	35
Et4ylbenzene	0.100	0.108X		mF/gF		10(	) 0 - 130	1	35
m-6ylene 9 O-6ylene	0.200	0.21) 1		mF/gF		10(	) 0 - 130	0	35
o-6ylene	0.100	0.10)(		mF/gF		108	) 0 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 180
164-, Fluorobenzene (Surr)	: C		70 - 180

Lab Sample ID: MB 880-1560/5-A

Matrix: Solid

Analysis Batch: 1562

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1
Toluene	<0.00200	U	0.00200		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1
Et4ylbenzene	<0.00200	U	0.00200		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1
m-6ylene 9 O-6ylene	<0.00K00	U	0.00K00		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1
o-6ylene	<0.00200	U	0.00200		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1
6ylenesRTotal	<0.00K00	U	0.00K00		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1
Total BTE6	<0.00200	U	0.00200		mF/gF		0K/08/21 1K:00	0K/0(/21 12:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	10/		70 - 180	0430C3 1 1420	0430: 3 1 1/ 2/	1
164-, Fluorobenzene (Surr)	100		70 - 180	0430C3 1 1420	0430: 3 1 1/ 2/	1

Lab Sample ID: LCS 880-1560/1-A

Matrix: Solid

Analysis Batch: 1562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.0(K50		mF/gF		(K	) 0 - 130
Toluene	0.100	0.0(08K		mF/gF		(1	) 0 - 130
Et4ylbenzene	0.100	0.0(135		mF/gF		(1	) 0 - 130
m-6ylene 9 O-6ylene	0.200	0.1) K8		mF/gF		8)	) 0 - 130
o-6ylene	0.100	0.08X) 5		mF/gF		8)	) 0 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	: 1		70 - 180
164-, Fluorobenzene (Surr)	100		70 - 180

Lab Sample ID: LCSD 880-1560/2-A

Matrix: Solid

Analysis Batch: 1562

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.0(11)		mF/gF		(1) 0 - 130	K	35
Toluene	0.100	0.088KX		mF/gF		88) 0 - 130	3	35

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-1560/2-A

Matrix: Solid

Analysis Batch: 1562

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1560

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Et4ylbenzene	0.100	0.0(02(		mF/gF		(0	) 0 - 130	1	35
m-6ylene 9 O-6ylene	0.200	0.1) X2		mF/gF		88	) 0 - 130	1	35
o-6ylene	0.100	0.08830		mF/gF		88	) 0 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	: 7		70 - 180
1,4-Difluorobenzene (Surr)	100		70 - 180

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

Lab Sample ID: MB 880-1108/1-A

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1108

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline h anFe & rFanics	<50.0	U	50.0		mF/gF		03/31/21 13:38	0K/01/21 10:KK	1
pGh & 7-CX-C10									
Diesel h anFe & rFanics p& ver	<50.0	U	50.0		mF/gF		03/31/21 13:38	0K/01/21 10:KK	1
C10-C287									
& ll h anFe & rFanics p& ver C28-C3X7	<50.0	U	50.0		mF/gF		03/31/21 13:38	0K/01/21 10:KK	1
Total TPH	<50.0	U	50.0		mF/gF		03/31/21 13:38	0K/01/21 10:KK	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-t aloroo9pne	110		70 - 180	08/31/21 18:2C	04/01/21 10:24	1
o-ver+aeen5l	10c		70 - 180	08/31/21 18:2C	04/01/21 10:24	1

Lab Sample ID: LCS 880-1108/2-A

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1108

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline h anFe & rFanics	1000	112X		mF/gF		113	) 0 - 130
pGh & 7-CX-C10							
Diesel h anFe & rFanics p& ver	1000	(K8.X		mF/gF		(5	) 0 - 130
C10-C287							

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-t aloroo9pne	107		70 - 180
o-ver+aeen5l	: S1-		70 - 180

Lab Sample ID: LCSD 880-1108/3-A

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1108

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline h anFe & rFanics	1000	1101		mF/gF		110	) 0 - 130	2	20
pGh & 7-CX-C10									
Diesel h anFe & rFanics p& ver	1000	100K		mF/gF		100) 0 - 130	X	20
C10-C287									

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-1108/3-A

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1108

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-t aloroo9pne	107		70 - 180
o-yer+aeen5l	10	S1-	70 - 180

Lab Sample ID: 880-532-21 MS

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Side Wall 12

Prep Type: Total/NA

Prep Batch: 1108

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline h anFe &rFanics pGh & 7-CX-C10	<K(. (	U	1000	10K8		mF/gF		101	) 0 - 130
Diesel h anFe &rFanics p&ver C10-C287	12K0	, 1	1000	1) ()	, 1	mF/gF		55	) 0 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-t aloroo9pne	: c		70 - 180						
o-yer+aeen5l	/ c	S1-	70 - 180						

Lab Sample ID: 880-532-21 MSD

Matrix: Solid

Analysis Batch: 1138

Client Sample ID: Side Wall 12

Prep Type: Total/NA

Prep Batch: 1108

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline h anFe &rFanics pGh & 7-CX-C10	<K(. (	U	((8	10) 0		mF/gF		103	) 0 - 130	2	20
Diesel h anFe &rFanics p&ver C10-C287	12K0	, 1	((8	1) XX	, 1	mF/gF		52	) 0 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-t aloroo9pne	: 7		70 - 180								
o-yer+aeen5l	ci	S1-	70 - 180								

Lab Sample ID: MB 880-1117/1-A

Matrix: Solid

Analysis Batch: 1140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1117

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline h anFe &rFanics pGh & 7-CX-C10	<50.0	U	50.0		mF/gF		03/31/21 1K:K2	0K/01/21 10:KK	1
Diesel h anFe &rFanics p&ver C10-C287	<50.0	U	50.0		mF/gF		03/31/21 1K:K2	0K/01/21 10:KK	1
& II h anFe &rFanics p&ver C28-C3X7	<50.0	U	50.0		mF/gF		03/31/21 1K:K2	0K/01/21 10:KK	1
Total TPH	<50.0	U	50.0		mF/gF		03/31/21 1K:K2	0K/01/21 10:KK	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-t aloroo9pne	11C		70 - 180				08313 1 1424/	04313 1 10244	1
o-yer+aeen5l	11c		70 - 180				08313 1 1424/	04313 1 10244	1

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: LCS 880-1117/2-A

Matrix: Solid

Analysis Batch: 1140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Gasoline h anFe & rFanics	1000	1231		mF/gF		123	) 0 - 130
pGh & 7-CX-C10							
Diesel h anFe & rFanics p& ver	1000	(3X)		mF/gF		(K	) 0 - 130
C10-C287							

Lab Sample ID: LCSD 880-1117/3-A

Matrix: Solid

Analysis Batch: 1140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1117

Table 1: Comparison of LCSD and RPD Results for Various Analytes										
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Gasoline h anFe & rFanics	1000	1052		mF/gF		105	) 0 - 130	1X	20
pGh & 7-CX-C10										
Diesel h anFe & rFanics p& ver	1000	(05.1		mF/gF		(1	) 0 - 130	3	20
C10-C287										
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-t aloroo9pne	10/		70 - 180							
o-ver+aeen5l	: 4		70 - 180							

Lab Sample ID: 880-532-1 MS

Matrix: Solid

Analysis Batch: 1140

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Total/NA

Prep Batch: 1117

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline h anFe & rFanics pGh & 7-CX-C10	58.5		1000	10()		mF/gF		10K	) 0 - 130
Diesel h anFe & rFanics p& ver C10-C287	2X5		1000	() 8.3		mF/gF		) 1	) 0 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-t aloroo9pne	: c		70 - 180						
o-ye+aeen5l	00		70 - 180						

Lab Sample ID: 880-532-1 MSD

Matrix: Solid

Analysis Batch: 1140

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Total/NA

Prep Batch: 1117

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline h anFe & rFanics	58.5		((8	1208		mF/gF		115	) 0 - 130	10	20
pGh & 7-CX-C10											
Diesel h anFe & rFanics p& ver	2X5		((8	1001		mF/gF		) K	) 0 - 130	2	20
C10-C287											
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-t aloroo9pne	100		70 - 180								

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Lab Sample ID: 880-532-1 MSD

Matrix: Solid

Analysis Batch: 1140

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Total/NA

Prep Batch: 1117

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
o-yer+aeen5l	C1		70 - 180

Lab Sample ID: MB 880-1301/1-A

Matrix: Solid

Analysis Batch: 1312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 1301

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Gasoline h anFe &rFanics	<50.0	U	50.0		mF/gF		0K/05/21 08:58	0K/05/21 15:03	1
pGh & 7-CX-C10									
Diesel h anFe &rFanics p&ver	<50.0	U	50.0		mF/gF		0K/05/21 08:58	0K/05/21 15:03	1
C10-C287									
& ll h anFe &rFanics p&ver C28-C3X7	<50.0	U	50.0		mF/gF		0K/05/21 08:58	0K/05/21 15:03	1
Total TPH	<50.0	U	50.0		mF/gF		0K/05/21 08:58	0K/05/21 15:03	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier					
1-t aloroo9pne	104		70 - 180	0430i 3 1 0C2 C	0430i 3 1 1i 208	1
o-yer+aeen5l	107		70 - 180	0430i 3 1 0C2 C	0430i 3 1 1i 208	1

Lab Sample ID: LCS 880-1301/2-A

Matrix: Solid

Analysis Batch: 1312

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 1301

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
Added	Result	Qualifier					Limits
Gasoline h anFe &rFanics	1000	11(K		mF/gF		11(	) 0 - 130
pGh & 7-CX-C10							
Diesel h anFe &rFanics p&ver	1000	105K		mF/gF		105	) 0 - 130
C10-C287							

Surrogate	LCS	LCS	Limits
%Recovery	Qualifier		
1-t aloroo9pne	10c		70 - 180
o-yer+aeen5l	100		70 - 180

Lab Sample ID: LCSD 880-1301/3-A

Matrix: Solid

Analysis Batch: 1312

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 1301

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD
Added	Result	Qualifier					Limits	Limit
Gasoline h anFe &rFanics	1000	13KX	*+	mF/gF		135	) 0 - 130	12 20
pGh & 7-CX-C10								
Diesel h anFe &rFanics p&ver	1000	11K(		mF/gF		115	) 0 - 130	(20
C10-C287								

Surrogate	LCSD	LCSD	Limits
%Recovery	Qualifier		
1-t aloroo9pne	11i		70 - 180
o-yer+aeen5l	10:		70 - 180

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-1380/1-A

Matrix: Solid

Analysis Batch: 1449

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C4loride	<5.00	U	5.00		mF/gF			0K/0/21 1(:28	1

Lab Sample ID: LCS 880-1380/2-A

Matrix: Solid

Analysis Batch: 1449

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C4loride	250	2XK)		mF/gF		10X	(0 - 110

Lab Sample ID: LCSD 880-1380/3-A

Matrix: Solid

Analysis Batch: 1449

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C4loride	250	2XKX		mF/gF		10X	(0 - 110	0	20

Lab Sample ID: 880-532-21 MS

Matrix: Solid

Analysis Batch: 1449

Client Sample ID: Side Wall 12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C4loride	35.0		250	28K)		mF/gF		100	(0 - 110

Lab Sample ID: 880-532-21 MSD

Matrix: Solid

Analysis Batch: 1449

Client Sample ID: Side Wall 12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C4loride	35.0		250	28KX		mF/gF		100	(0 - 110	0	20

Lab Sample ID: MB 880-1379/1-A

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C4loride	<5.00	U	5.00		mF/gF			0K/08/21 13:25	1

Lab Sample ID: LCS 880-1379/2-A

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C4loride	250	2X0.5		mF/gF		10K	(0 - 110

Lab Sample ID: LCSD 880-1379/3-A

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C4loride	250	2X0.1		mF/gF		10K	(0 - 110	0	20

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QC Sample Results

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-532-1 MS

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C4loride	18.1		251	2) 2.X		mF/gF		101	(0 - 110

Lab Sample ID: 880-532-1 MSD

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Bottom Hole 1 (7'EB)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C4loride	18.1		251	2) K.8		mF/gF		102	(0 - 110	1	20

Lab Sample ID: 880-532-11 MS

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Side Wall 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C4loride	1K(		250	2) 5.8		mF/gF		105	(0 - 110

Lab Sample ID: 880-532-11 MSD

Matrix: Solid

Analysis Batch: 1520

Client Sample ID: Side Wall 2

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C4loride	1K(		250	2) 5.X		mF/gF		10K	(0 - 110	0	20

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

GC VOA

Prep Batch: 1068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-21	Side Wall 12	Total/NA	Solid	5035	
MB 880-1068/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1068/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1068/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1	Bottom Hole 1 (7'EB)	Total/NA	Solid	5035	
880-532-2	Bottom Hole 2 (7'EB)	Total/NA	Solid	5035	
880-532-3	Bottom Hole 3 (7'EB)	Total/NA	Solid	5035	
880-532-4	Bottom Hole 4 (7'EB)	Total/NA	Solid	5035	
880-532-5	Bottom Hole 5 (7'EB)	Total/NA	Solid	5035	
880-532-6	Bottom Hole 6 (7'EB)	Total/NA	Solid	5035	
880-532-7	Bottom Hole 7 (7'EB)	Total/NA	Solid	5035	
880-532-8	Bottom Hole 8 (7'EB)	Total/NA	Solid	5035	
880-532-10	Side Wall 1	Total/NA	Solid	5035	
880-532-11	Side Wall 2	Total/NA	Solid	5035	
880-532-12	Side Wall 3	Total/NA	Solid	5035	
880-532-13	Side Wall 4	Total/NA	Solid	5035	
880-532-14	Side Wall 5	Total/NA	Solid	5035	
880-532-16	Side Wall 7	Total/NA	Solid	5035	
880-532-18	Side Wall 9	Total/NA	Solid	5035	
880-532-20	Side Wall 11	Total/NA	Solid	5035	
MB 880-1069/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1069/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1069/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-532-1 MS	Bottom Hole 1 (7'EB)	Total/NA	Solid	5035	
880-532-1 MSD	Bottom Hole 1 (7'EB)	Total/NA	Solid	5035	

Prep Batch: 1073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-22	Side Wall 13	Total/NA	Solid	5035	
880-532-23	Side Wall 14	Total/NA	Solid	5035	
880-532-24	Side Wall 15	Total/NA	Solid	5035	
880-532-25	Side Wall 16	Total/NA	Solid	5035	
880-532-26	Side Wall 17	Total/NA	Solid	5035	
880-532-27	Side Wall 18	Total/NA	Solid	5035	
MB 880-1073/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1073/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1073/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-532-23 MS	Side Wall 14	Total/NA	Solid	5035	
880-532-23 MSD	Side Wall 14	Total/NA	Solid	5035	

Prep Batch: 1074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1074/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1	Bottom Hole 1 (7'EB)	Total/NA	Solid	8021B	1069
880-532-2	Bottom Hole 2 (7'EB)	Total/NA	Solid	8021B	1069

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

GC VOA (Continued)

Analysis Batch: 1078 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-3	Bottom Hole 3 (7'EB)	Total/NA	Solid	8021B	1069
880-532-4	Bottom Hole 4 (7'EB)	Total/NA	Solid	8021B	1069
880-532-5	Bottom Hole 5 (7'EB)	Total/NA	Solid	8021B	1069
880-532-6	Bottom Hole 6 (7'EB)	Total/NA	Solid	8021B	1069
880-532-7	Bottom Hole 7 (7'EB)	Total/NA	Solid	8021B	1069
880-532-8	Bottom Hole 8 (7'EB)	Total/NA	Solid	8021B	1069
880-532-10	Side Wall 1	Total/NA	Solid	8021B	1069
880-532-11	Side Wall 2	Total/NA	Solid	8021B	1069
880-532-12	Side Wall 3	Total/NA	Solid	8021B	1069
880-532-13	Side Wall 4	Total/NA	Solid	8021B	1069
880-532-14	Side Wall 5	Total/NA	Solid	8021B	1069
880-532-16	Side Wall 7	Total/NA	Solid	8021B	1069
880-532-18	Side Wall 9	Total/NA	Solid	8021B	1069
880-532-20	Side Wall 11	Total/NA	Solid	8021B	1069
880-532-21	Side Wall 12	Total/NA	Solid	8021B	1068
MB 880-1068/5-A	Method Blank	Total/NA	Solid	8021B	1068
MB 880-1069/5-A	Method Blank	Total/NA	Solid	8021B	1069
LCS 880-1068/1-A	Lab Control Sample	Total/NA	Solid	8021B	1068
LCS 880-1069/1-A	Lab Control Sample	Total/NA	Solid	8021B	1069
LCSD 880-1068/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1068
LCSD 880-1069/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1069
880-532-1 MS	Bottom Hole 1 (7'EB)	Total/NA	Solid	8021B	1069
880-532-1 MSD	Bottom Hole 1 (7'EB)	Total/NA	Solid	8021B	1069

Prep Batch: 1102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1102/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 1122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-22	Side Wall 13	Total/NA	Solid	8021B	1073
880-532-23	Side Wall 14	Total/NA	Solid	8021B	1073
880-532-24	Side Wall 15	Total/NA	Solid	8021B	1073
880-532-25	Side Wall 16	Total/NA	Solid	8021B	1073
880-532-26	Side Wall 17	Total/NA	Solid	8021B	1073
880-532-27	Side Wall 18	Total/NA	Solid	8021B	1073
MB 880-1073/5-A	Method Blank	Total/NA	Solid	8021B	1073
MB 880-1074/5-A	Method Blank	Total/NA	Solid	8021B	1074
LCS 880-1073/1-A	Lab Control Sample	Total/NA	Solid	8021B	1073
LCSD 880-1073/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1073
880-532-23 MS	Side Wall 14	Total/NA	Solid	8021B	1073
880-532-23 MSD	Side Wall 14	Total/NA	Solid	8021B	1073

Prep Batch: 1146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-5	Bottom Hole 5 (7'EB)	Total/NA	Solid	5035	
880-532-9	Bottom Hole 9 (7'EB)	Total/NA	Solid	5035	
880-532-18	Side Wall 9	Total/NA	Solid	5035	
880-532-19	Side Wall 10	Total/NA	Solid	5035	
MB 880-1146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1146/1-A	Lab Control Sample	Total/NA	Solid	5035	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

GC VOA (Continued)

Prep Batch: 1146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-1146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 1148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-5	Bottom Hole 5 (7'EB)	Total/NA	Solid	8021B	1146
880-532-9	Bottom Hole 9 (7'EB)	Total/NA	Solid	8021B	1146
880-532-18	Side Wall 9	Total/NA	Solid	8021B	1146
880-532-19	Side Wall 10	Total/NA	Solid	8021B	1146
MB 880-1146/5-A	Method Blank	Total/NA	Solid	8021B	1146
LCS 880-1146/1-A	Lab Control Sample	Total/NA	Solid	8021B	1146
LCSD 880-1146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1146

Analysis Batch: 1205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-15	Side Wall 6	Total/NA	Solid	8021B	1247
880-532-17	Side Wall 8	Total/NA	Solid	8021B	1247
MB 880-1102/5-A	Method Blank	Total/NA	Solid	8021B	1102
MB 880-1247/5-A	Method Blank	Total/NA	Solid	8021B	1247
LCS 880-1247/1-A	Lab Control Sample	Total/NA	Solid	8021B	1247
LCSD 880-1247/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1247

Prep Batch: 1247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-15	Side Wall 6	Total/NA	Solid	5035	
880-532-17	Side Wall 8	Total/NA	Solid	5035	
MB 880-1247/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1247/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1247/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-1250/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1250/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 1284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-17	Side Wall 8	Total/NA	Solid	5035	
MB 880-1284/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1284/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1284/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 1285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-17	Side Wall 8	Total/NA	Solid	8021B	1284
MB 880-1284/5-A	Method Blank	Total/NA	Solid	8021B	1284
LCS 880-1250/1-A	Lab Control Sample	Total/NA	Solid	8021B	1250
LCS 880-1284/1-A	Lab Control Sample	Total/NA	Solid	8021B	1284
LCSD 880-1250/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1250
LCSD 880-1284/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1284

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

GC VOA

Prep Batch: 1560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1560/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-1560/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-1560/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 1562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-1560/5-A	Method Blank	Total/NA	Solid	8021B	1560
LCS 880-1560/1-A	Lab Control Sample	Total/NA	Solid	8021B	1560
LCSD 880-1560/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	1560

GC Semi VOA

Prep Batch: 1108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-21	Side Wall 12	Total/NA	Solid	8015NM Prep	
880-532-22	Side Wall 13	Total/NA	Solid	8015NM Prep	
880-532-24	Side Wall 15	Total/NA	Solid	8015NM Prep	
880-532-25	Side Wall 16	Total/NA	Solid	8015NM Prep	
880-532-26	Side Wall 17	Total/NA	Solid	8015NM Prep	
880-532-27	Side Wall 18	Total/NA	Solid	8015NM Prep	
MB 880-1108/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1108/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1108/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-532-21 MS	Side Wall 12	Total/NA	Solid	8015NM Prep	
880-532-21 MSD	Side Wall 12	Total/NA	Solid	8015NM Prep	

Prep Batch: 1117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1	Bottom Hole 1 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-2	Bottom Hole 2 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-3	Bottom Hole 3 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-4	Bottom Hole 4 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-5	Bottom Hole 5 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-6	Bottom Hole 6 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-7	Bottom Hole 7 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-8	Bottom Hole 8 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-9	Bottom Hole 9 (7"EB)	Total/NA	Solid	8015NM Prep	
880-532-10	Side Wall 1	Total/NA	Solid	8015NM Prep	
880-532-11	Side Wall 2	Total/NA	Solid	8015NM Prep	
880-532-12	Side Wall 3	Total/NA	Solid	8015NM Prep	
880-532-13	Side Wall 4	Total/NA	Solid	8015NM Prep	
880-532-14	Side Wall 5	Total/NA	Solid	8015NM Prep	
880-532-15	Side Wall 6	Total/NA	Solid	8015NM Prep	
880-532-16	Side Wall 7	Total/NA	Solid	8015NM Prep	
880-532-17	Side Wall 8	Total/NA	Solid	8015NM Prep	
880-532-18	Side Wall 9	Total/NA	Solid	8015NM Prep	
880-532-19	Side Wall 10	Total/NA	Solid	8015NM Prep	
880-532-20	Side Wall 11	Total/NA	Solid	8015NM Prep	
MB 880-1117/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1117/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

GC Semi VOA (Continued)

Prep Batch: 1117 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1 MS	Bottom Hole 1 (7'EB)	Total/NA	Solid	8015NM Prep	
880-532-1 MSD	Bottom Hole 1 (7'EB)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 1138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-21	Side Wall 12	Total/NA	Solid	8015B NM	1108
880-532-22	Side Wall 13	Total/NA	Solid	8015B NM	1108
880-532-24	Side Wall 15	Total/NA	Solid	8015B NM	1108
880-532-25	Side Wall 16	Total/NA	Solid	8015B NM	1108
880-532-26	Side Wall 17	Total/NA	Solid	8015B NM	1108
880-532-27	Side Wall 18	Total/NA	Solid	8015B NM	1108
MB 880-1108/1-A	Method Blank	Total/NA	Solid	8015B NM	1108
LCS 880-1108/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1108
LCSD 880-1108/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1108
880-532-21 MS	Side Wall 12	Total/NA	Solid	8015B NM	1108
880-532-21 MSD	Side Wall 12	Total/NA	Solid	8015B NM	1108

Analysis Batch: 1140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1	Bottom Hole 1 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-2	Bottom Hole 2 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-3	Bottom Hole 3 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-4	Bottom Hole 4 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-5	Bottom Hole 5 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-6	Bottom Hole 6 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-7	Bottom Hole 7 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-8	Bottom Hole 8 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-9	Bottom Hole 9 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-10	Side Wall 1	Total/NA	Solid	8015B NM	1117
880-532-11	Side Wall 2	Total/NA	Solid	8015B NM	1117
880-532-12	Side Wall 3	Total/NA	Solid	8015B NM	1117
880-532-13	Side Wall 4	Total/NA	Solid	8015B NM	1117
880-532-14	Side Wall 5	Total/NA	Solid	8015B NM	1117
880-532-15	Side Wall 6	Total/NA	Solid	8015B NM	1117
880-532-16	Side Wall 7	Total/NA	Solid	8015B NM	1117
880-532-17	Side Wall 8	Total/NA	Solid	8015B NM	1117
880-532-18	Side Wall 9	Total/NA	Solid	8015B NM	1117
880-532-19	Side Wall 10	Total/NA	Solid	8015B NM	1117
880-532-20	Side Wall 11	Total/NA	Solid	8015B NM	1117
MB 880-1117/1-A	Method Blank	Total/NA	Solid	8015B NM	1117
LCS 880-1117/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1117
LCSD 880-1117/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1117
880-532-1 MS	Bottom Hole 1 (7'EB)	Total/NA	Solid	8015B NM	1117
880-532-1 MSD	Bottom Hole 1 (7'EB)	Total/NA	Solid	8015B NM	1117

Prep Batch: 1301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-23	Side Wall 14	Total/NA	Solid	8015NM Prep	
MB 880-1301/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-1301/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-1301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

GC Semi VOA

Analysis Batch: 1312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-23	Side Wall 14	Total/NA	Solid	8015B NM	1301
MB 880-1301/1-A	Method Blank	Total/NA	Solid	8015B NM	1301
LCS 880-1301/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	1301
LCSD 880-1301/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	1301

HPLC/IC

Leach Batch: 1379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1	Bottom Hole 1 (7'EB)	Soluble	Solid	DI Leach	
880-532-2	Bottom Hole 2 (7'EB)	Soluble	Solid	DI Leach	
880-532-3	Bottom Hole 3 (7'EB)	Soluble	Solid	DI Leach	
880-532-4	Bottom Hole 4 (7'EB)	Soluble	Solid	DI Leach	
880-532-5	Bottom Hole 5 (7'EB)	Soluble	Solid	DI Leach	
880-532-6	Bottom Hole 6 (7'EB)	Soluble	Solid	DI Leach	
880-532-7	Bottom Hole 7 (7'EB)	Soluble	Solid	DI Leach	
880-532-8	Bottom Hole 8 (7'EB)	Soluble	Solid	DI Leach	
880-532-9	Bottom Hole 9 (7'EB)	Soluble	Solid	DI Leach	
880-532-10	Side Wall 1	Soluble	Solid	DI Leach	
880-532-11	Side Wall 2	Soluble	Solid	DI Leach	
880-532-12	Side Wall 3	Soluble	Solid	DI Leach	
880-532-13	Side Wall 4	Soluble	Solid	DI Leach	
880-532-14	Side Wall 5	Soluble	Solid	DI Leach	
880-532-15	Side Wall 6	Soluble	Solid	DI Leach	
880-532-16	Side Wall 7	Soluble	Solid	DI Leach	
880-532-17	Side Wall 8	Soluble	Solid	DI Leach	
880-532-18	Side Wall 9	Soluble	Solid	DI Leach	
880-532-19	Side Wall 10	Soluble	Solid	DI Leach	
880-532-20	Side Wall 11	Soluble	Solid	DI Leach	
MB 880-1379/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1379/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1379/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-532-1 MS	Bottom Hole 1 (7'EB)	Soluble	Solid	DI Leach	
880-532-1 MSD	Bottom Hole 1 (7'EB)	Soluble	Solid	DI Leach	
880-532-11 MS	Side Wall 2	Soluble	Solid	DI Leach	
880-532-11 MSD	Side Wall 2	Soluble	Solid	DI Leach	

Leach Batch: 1380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-21	Side Wall 12	Soluble	Solid	DI Leach	
880-532-22	Side Wall 13	Soluble	Solid	DI Leach	
880-532-23	Side Wall 14	Soluble	Solid	DI Leach	
880-532-24	Side Wall 15	Soluble	Solid	DI Leach	
880-532-25	Side Wall 16	Soluble	Solid	DI Leach	
880-532-26	Side Wall 17	Soluble	Solid	DI Leach	
880-532-27	Side Wall 18	Soluble	Solid	DI Leach	
MB 880-1380/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-1380/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-1380/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-532-21 MS	Side Wall 12	Soluble	Solid	DI Leach	
880-532-21 MSD	Side Wall 12	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

HPLC/IC

Analysis Batch: 1449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-21	Side Wall 12	Soluble	Solid	300.0	1380
880-532-22	Side Wall 13	Soluble	Solid	300.0	1380
880-532-23	Side Wall 14	Soluble	Solid	300.0	1380
880-532-24	Side Wall 15	Soluble	Solid	300.0	1380
880-532-25	Side Wall 16	Soluble	Solid	300.0	1380
880-532-26	Side Wall 17	Soluble	Solid	300.0	1380
880-532-27	Side Wall 18	Soluble	Solid	300.0	1380
MB 880-1380/1-A	Method Blank	Soluble	Solid	300.0	1380
LCS 880-1380/2-A	Lab Control Sample	Soluble	Solid	300.0	1380
LCSD 880-1380/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1380
880-532-21 MS	Side Wall 12	Soluble	Solid	300.0	1380
880-532-21 MSD	Side Wall 12	Soluble	Solid	300.0	1380

Analysis Batch: 1520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-532-1	Bottom Hole 1 (7'EB)	Soluble	Solid	300.0	1379
880-532-2	Bottom Hole 2 (7'EB)	Soluble	Solid	300.0	1379
880-532-3	Bottom Hole 3 (7'EB)	Soluble	Solid	300.0	1379
880-532-4	Bottom Hole 4 (7'EB)	Soluble	Solid	300.0	1379
880-532-5	Bottom Hole 5 (7'EB)	Soluble	Solid	300.0	1379
880-532-6	Bottom Hole 6 (7'EB)	Soluble	Solid	300.0	1379
880-532-7	Bottom Hole 7 (7'EB)	Soluble	Solid	300.0	1379
880-532-8	Bottom Hole 8 (7'EB)	Soluble	Solid	300.0	1379
880-532-9	Bottom Hole 9 (7'EB)	Soluble	Solid	300.0	1379
880-532-10	Side Wall 1	Soluble	Solid	300.0	1379
880-532-11	Side Wall 2	Soluble	Solid	300.0	1379
880-532-12	Side Wall 3	Soluble	Solid	300.0	1379
880-532-13	Side Wall 4	Soluble	Solid	300.0	1379
880-532-14	Side Wall 5	Soluble	Solid	300.0	1379
880-532-15	Side Wall 6	Soluble	Solid	300.0	1379
880-532-16	Side Wall 7	Soluble	Solid	300.0	1379
880-532-17	Side Wall 8	Soluble	Solid	300.0	1379
880-532-18	Side Wall 9	Soluble	Solid	300.0	1379
880-532-19	Side Wall 10	Soluble	Solid	300.0	1379
880-532-20	Side Wall 11	Soluble	Solid	300.0	1379
MB 880-1379/1-A	Method Blank	Soluble	Solid	300.0	1379
LCS 880-1379/2-A	Lab Control Sample	Soluble	Solid	300.0	1379
LCSD 880-1379/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	1379
880-532-1 MS	Bottom Hole 1 (7'EB)	Soluble	Solid	300.0	1379
880-532-1 MSD	Bottom Hole 1 (7'EB)	Soluble	Solid	300.0	1379
880-532-11 MS	Side Wall 2	Soluble	Solid	300.0	1379
880-532-11 MSD	Side Wall 2	Soluble	Solid	300.0	1379

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 1 (7'EB)

Lab Sample ID: 880-532-1

Date Collected: 03/19/21 13:25

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 08:46	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 11:46	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 13:40	CH	XM

Client Sample ID: Bottom Hole 2 (7'EB)

Lab Sample ID: 880-532-2

Date Collected: 03/19/21 13:27

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 09:06	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 13:00	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 13:55	CH	XM

Client Sample ID: Bottom Hole 3 (7'EB)

Lab Sample ID: 880-532-3

Date Collected: 03/19/21 13:29

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 09:26	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 15:20	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:00	CH	XM

Client Sample ID: Bottom Hole 4 (7'EB)

Lab Sample ID: 880-532-4

Date Collected: 03/19/21 13:30

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 09:47	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 16:47	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:05	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 5 (7'EB)

Lab Sample ID: 880-532-5

Date Collected: 03/19/21 13:32

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 10:07	MR	XM
Total/NA	Prep	5035			1146	04/01/21 09:34	KL	XM
Total/NA	Analysis	8021B		10	1148	04/01/21 16:16	KL	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 17:28	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:09	CH	XM

Client Sample ID: Bottom Hole 6 (7'EB)

Lab Sample ID: 880-532-6

Date Collected: 03/19/21 13:34

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 10:28	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 17:49	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:24	CH	XM

Client Sample ID: Bottom Hole 7 (7'EB)

Lab Sample ID: 880-532-7

Date Collected: 03/19/21 13:36

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 10:48	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 18:10	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:29	CH	XM

Client Sample ID: Bottom Hole 8 (7'EB)

Lab Sample ID: 880-532-8

Date Collected: 03/19/21 13:38

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 11:08	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 18:30	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:34	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Diamond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Bottom Hole 9 (7'EB)

Lab Sample ID: 880-532-9

Date Collected: 03/19/21 13:40

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1146	04/01/21 09:34	KL	XM
Total/NA	Analysis	8021B		1	1148	04/01/21 13:51	KL	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 18:51	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:39	CH	XM

Client Sample ID: Side Wall 1

Lab Sample ID: 880-532-10

Date Collected: 03/19/21 13:41

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 11:49	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 19:13	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:44	CH	XM

Client Sample ID: Side Wall 2

Lab Sample ID: 880-532-11

Date Collected: 03/19/21 13:42

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 13:39	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 19:54	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 14:49	CH	XM

Client Sample ID: Side Wall 3

Lab Sample ID: 880-532-12

Date Collected: 03/19/21 13:43

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 14:00	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 20:15	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:04	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 4

Lab Sample ID: 880-532-13

Date Collected: 03/19/21 13:44

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 14:20	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 20:37	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:09	CH	XM

Client Sample ID: Side Wall 5

Lab Sample ID: 880-532-14

Date Collected: 03/19/21 13:46

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 14:41	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 20:58	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:23	CH	XM

Client Sample ID: Side Wall 6

Lab Sample ID: 880-532-15

Date Collected: 03/19/21 13:48

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1247	04/02/21 13:15	KL	XM
Total/NA	Analysis	8021B		1	1205	04/02/21 21:09	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 21:19	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:28	CH	XM

Client Sample ID: Side Wall 7

Lab Sample ID: 880-532-16

Date Collected: 03/19/21 13:49

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 15:21	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 21:40	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:33	CH	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 8

Lab Sample ID: 880-532-17

Date Collected: 03/19/21 13:51

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1247	04/02/21 13:15	KL	XM
Total/NA	Analysis	8021B		1	1205	04/02/21 21:29	MR	XM
Total/NA	Prep	5035			1284	04/03/21 13:57	KL	XM
Total/NA	Analysis	8021B		500	1285	04/03/21 20:33	KL	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 22:01	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:38	CH	XM

Client Sample ID: Side Wall 9

Lab Sample ID: 880-532-18

Date Collected: 03/19/21 13:52

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 16:02	MR	XM
Total/NA	Prep	5035			1146	04/01/21 09:34	KL	XM
Total/NA	Analysis	8021B		20	1148	04/01/21 16:37	KL	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 22:22	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:43	CH	XM

Client Sample ID: Side Wall 10

Lab Sample ID: 880-532-19

Date Collected: 03/19/21 13:53

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1146	04/01/21 09:34	KL	XM
Total/NA	Analysis	8021B		5	1148	04/01/21 15:56	KL	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 22:43	AJ	XM
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:48	CH	XM

Client Sample ID: Side Wall 11

Lab Sample ID: 880-532-20

Date Collected: 03/19/21 13:54

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1069	03/30/21 12:43	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 16:43	MR	XM
Total/NA	Prep	8015NM Prep			1117	03/31/21 14:42	DM	XM
Total/NA	Analysis	8015B NM		1	1140	04/01/21 23:04	AJ	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 11

Lab Sample ID: 880-532-20

Date Collected: 03/19/21 13:54

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			1379	04/06/21 14:20	CH	XM
Soluble	Analysis	300.0		1	1520	04/08/21 15:53	CH	XM

Client Sample ID: Side Wall 12

Lab Sample ID: 880-532-21

Date Collected: 03/19/21 13:55

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1068	03/30/21 12:03	MR	XM
Total/NA	Analysis	8021B		1	1078	03/31/21 05:08	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:38	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 11:46	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 19:43	WP	XM

Client Sample ID: Side Wall 13

Lab Sample ID: 880-532-22

Date Collected: 03/19/21 13:56

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1073	03/30/21 14:12	MR	XM
Total/NA	Analysis	8021B		50	1122	04/01/21 11:23	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:38	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 13:00	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 19:58	WP	XM

Client Sample ID: Side Wall 14

Lab Sample ID: 880-532-23

Date Collected: 03/19/21 13:57

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1073	03/30/21 14:12	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 08:19	MR	XM
Total/NA	Prep	8015NM Prep			1301	04/05/21 08:58	DM	XM
Total/NA	Analysis	8015B NM		1	1312	04/05/21 23:55	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 20:03	WP	XM

Client Sample ID: Side Wall 15

Lab Sample ID: 880-532-24

Date Collected: 03/19/21 13:59

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1073	03/30/21 14:12	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 08:40	MR	XM

Eurofins Xenco, Midland

Lab Chronicle

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Client Sample ID: Side Wall 15

Lab Sample ID: 880-532-24

Date Collected: 03/19/21 13:59

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:38	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 22:43	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 20:08	WP	XM

Client Sample ID: Side Wall 16

Lab Sample ID: 880-532-25

Date Collected: 03/19/21 14:02

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1073	03/30/21 14:12	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 09:00	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:38	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 17:28	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 20:13	WP	XM

Client Sample ID: Side Wall 17

Lab Sample ID: 880-532-26

Date Collected: 03/19/21 14:05

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1073	03/30/21 14:12	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 09:21	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:38	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 17:49	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 20:28	WP	XM

Client Sample ID: Side Wall 18

Lab Sample ID: 880-532-27

Date Collected: 03/19/21 04:08

Matrix: Solid

Date Received: 03/22/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			1073	03/30/21 14:12	MR	XM
Total/NA	Analysis	8021B		1	1122	04/01/21 09:41	MR	XM
Total/NA	Prep	8015NM Prep			1108	03/31/21 13:39	DM	XM
Total/NA	Analysis	8015B NM		1	1138	04/01/21 18:10	AJ	XM
Soluble	Leach	DI Leach			1380	04/06/21 14:22	CH	XM
Soluble	Analysis	300.0		1	1449	04/07/21 20:32	WP	XM

Laboratory References:

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

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Eurofins Xenco, Midland

Method Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Eurofins Xenco, Midland

Sample Summary

Client: American Safety Services Inc.
Project/Site: ETP Crude -Dimond Tail

Job ID: 880-532-1
SDG: Lea Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
880-532-1	Bottom Hole 1 (7'EB)	Solid	03/19/21 13:25	03/22/21 09:30	
880-532-2	Bottom Hole 2 (7'EB)	Solid	03/19/21 13:27	03/22/21 09:30	
880-532-3	Bottom Hole 3 (7'EB)	Solid	03/19/21 13:29	03/22/21 09:30	
880-532-4	Bottom Hole 4 (7'EB)	Solid	03/19/21 13:30	03/22/21 09:30	
880-532-5	Bottom Hole 5 (7'EB)	Solid	03/19/21 13:32	03/22/21 09:30	
880-532-6	Bottom Hole 6 (7'EB)	Solid	03/19/21 13:34	03/22/21 09:30	
880-532-7	Bottom Hole 7 (7'EB)	Solid	03/19/21 13:36	03/22/21 09:30	
880-532-8	Bottom Hole 8 (7'EB)	Solid	03/19/21 13:38	03/22/21 09:30	
880-532-9	Bottom Hole 9 (7'EB)	Solid	03/19/21 13:40	03/22/21 09:30	
880-532-10	Side Wall 1	Solid	03/19/21 13:41	03/22/21 09:30	
880-532-11	Side Wall 2	Solid	03/19/21 13:42	03/22/21 09:30	
880-532-12	Side Wall 3	Solid	03/19/21 13:43	03/22/21 09:30	
880-532-13	Side Wall 4	Solid	03/19/21 13:44	03/22/21 09:30	
880-532-14	Side Wall 5	Solid	03/19/21 13:46	03/22/21 09:30	
880-532-15	Side Wall 6	Solid	03/19/21 13:48	03/22/21 09:30	
880-532-16	Side Wall 7	Solid	03/19/21 13:49	03/22/21 09:30	
880-532-17	Side Wall 8	Solid	03/19/21 13:51	03/22/21 09:30	
880-532-18	Side Wall 9	Solid	03/19/21 13:52	03/22/21 09:30	
880-532-19	Side Wall 10	Solid	03/19/21 13:53	03/22/21 09:30	
880-532-20	Side Wall 11	Solid	03/19/21 13:54	03/22/21 09:30	
880-532-21	Side Wall 12	Solid	03/19/21 13:55	03/22/21 09:30	
880-532-22	Side Wall 13	Solid	03/19/21 13:56	03/22/21 09:30	
880-532-23	Side Wall 14	Solid	03/19/21 13:57	03/22/21 09:30	
880-532-24	Side Wall 15	Solid	03/19/21 13:59	03/22/21 09:30	
880-532-25	Side Wall 16	Solid	03/19/21 14:02	03/22/21 09:30	
880-532-26	Side Wall 17	Solid	03/19/21 14:05	03/22/21 09:30	
880-532-27	Side Wall 18	Solid	03/19/21 04:08	03/22/21 09:30	

Eurofins Xenco, Midland



880-532 Chain of Custody

Xenco Quote #

Laenco Job

Client / Reporting Information				Project Information						Analytical Information							Matrix Codes				
Company Name / Branch: American Safety Services Inc. Company Address 8715 Andrews Hwy Odessa TX 79765 Email: tfranklin@americansafety.net				Project Name/Number ETP Crude Diamond Tail Project Location Lea Co NM Phone No: 432-557-9868 Invoice To: Ryan Reich																	
Project Contact: Thomas Franklin Samplers Name Miguel				PO Number:																	
No	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	TPH 8015M	Chloride E 300	BTEX 8021B			Field Comments	
1	Bottom Hole 1 (7' EB)		3/19/2021	1325	S	1									X	X	X				
2	Bottom Hole 2 (7' EB)		3/19/2021	1327	S	1									X	X	X				
3	Bottom Hole 3 (7' EB)		3/19/2021	1329	S	1									X	X	X				
4	Bottom Hole 4 (7' EB)		3/19/2021	1330	S	1									X	X	X				
5	Bottom Hole 5 (7' EB)		3/19/2021	1332	S	1									X	X	X				
6	Bottom Hole 6 (7' EB)		3/19/2021	1334	S	1									X	X	X				
7	Bottom Hole 7 (7' EB)		3/19/2021	1336	S	1									X	X	X				
8	Bottom Hole 8 (7' EB)		3/19/2021	1338	S	1									X	X	X				
9	Bottom Hole 9 (7' EB)		3/19/2021	1340	S	1									X	X	X				
10	Slide Wall 1		3/19/2021	1341	S	1									X	X	X				
Turnaround Time (Business days)				Data Deliverable Information										Notes							
<input type="checkbox"/> Same Day TAT				<input checked="" type="checkbox"/> 5 Day TAT				<input type="checkbox"/> Level II Std QC				<input type="checkbox"/> Level IV (Full Data Pkg / raw data)									
<input type="checkbox"/> Next Day EMERGENCY				<input type="checkbox"/> 7 Day TAT				<input type="checkbox"/> Level III Std QC+ Forms				<input type="checkbox"/> TRRP Level IV									
<input type="checkbox"/> 2 Day EMERGENCY				<input type="checkbox"/> Contract TAT				<input type="checkbox"/> Level 3 (CLP Forms)				<input type="checkbox"/> UST / RG-411									
<input type="checkbox"/> 3 Day EMERGENCY				<input type="checkbox"/> TRRP Checklist																	
TAT Starts Day received by Lab, if received by 5:00 pm																		FED-EX / UPS Tracking #			
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																					
Relinquished by Sampler			Date Time	Received By										Date Time	Received By						
1 Relinquished by: Miguel Delera			03/22/21	[Signature]										2	2						
3 Relinquished by:			Date Time:	Received By										Date Time.	Received By						
5 Relinquished by:			Date Time:	Received By										Custody Seal #	Preserved Where applicable			On Ice [X] Cooler Temp. 5-5/3.8 Thermo Corr Factor			



Setting the Standard since 1990
 Stafford, Texas (281-240-4200)
 Dallas Texas (214-902-0300)

CHAIN OF CUSTODY

Page 2 Of 3

San Antonio, Texas (210-509-3334)
 Midland, Texas (432-704-5251)

Phoenix, Arizona (480-355-0900)

www.xenco.com

Xenco Quote #

Xenco Job #

Client / Reporting Information				Project Information				Analytical Information				Matrix Codes							
Company Name / Branch: American Safety Services Inc.				Project Name/Number: ETP Crude - Diamond Tail															
Company Address: 8715 Andrews Hwy Odessa TX 79765				Project Location: Lea Co NM															
Email: tfranklin@americansafety.net				Invoice To:															
Phone No: 432-557-9866																			
Project Contact: Thomas Franklin				PO Number:															
Sample's Name: Miguel																			
No	Field ID / Point of Collection	Sample Depth	Collection Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015M	Chloride E 300	BTEX 8021B	Notes	Field Comments
1	Side Wall 2		3/19/2021	1342	S	1									X	X	X		
2	Side Wall 3		3/19/2021	1343	S	1									X	X	X		
3	Side Wall 4		3/19/2021	1344	S	1									X	X	X		
4	Side Wall 5		3/19/2021	1346	S	1									X	X	X		
5	Side Wall 6		3/19/2021	1348	S	1									X	X	X		
6	Side Wall 7		3/19/2021	1349	S	1									X	X	X		
7	Side Wall 8		3/19/2021	1351	S	1									X	X	X		
8	Side Wall 9		3/19/2021	1352	S	1									X	X	X		
9	Side Wall 10		3/19/2021	1353	S	1									X	X	X		
10	Side Wall 11		3/19/2021	1354	S	1									X	X	X		
Turnaround Time (Business days)																			
<input type="checkbox"/> Same Day TAT <input type="checkbox"/> Next Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 3 Day EMERGENCY		<input checked="" type="checkbox"/> 5 Day TAT <input type="checkbox"/> 7 Day TAT <input type="checkbox"/> Contract TAT		<input type="checkbox"/> Level II Std QC <input type="checkbox"/> Level III Std QC+ Forms <input type="checkbox"/> Level 3 (CLP Forms) <input type="checkbox"/> TRRP Checklist		<input type="checkbox"/> Level IV (Full Data Pkg /raw data) <input type="checkbox"/> TRRP Level IV <input type="checkbox"/> UST / RG-411													
TAT Starts Day received by Lab, if received by 5:00 pm																			
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																			
Relinquished by Sample		Date Time		Received By		Date Time		Relinquished By		Date Time		Relinquished By		Date Time		Relinquished By		Date Time	
1		3/21/21 0936		3/21/21 0936		3/21/21 0936		3/21/21 0936		3/21/21 0936		3/21/21 0936		3/21/21 0936		3/21/21 0936		3/21/21 0936	
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Stafford, Texas (281-240-4200)
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San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)

Phoenix, Arizona (480-355-0900)

Page 3 Of 3

Page 3 Of 3

Client / Reporting Information			Project Information			Analytical Information			Matrix Codes													
Company Name / Branch: American Safety Services Inc.			Project Name/Number: ETP Crude - Diamond Tail																			
Company Address: 8715 Andrews Hwy Odessa TX 79765			Project Location: Lea Co NM																			
Email: tfranklin@americansafety.net			Invoice To:																			
Phone No: 432-557-4868																						
Project Contact: Thomas Franklin			PO Number:																			
Sampler's Name: Miguel			Ryan Reich																			
No			Field ID / Point of Collection																			
			Collection			Number of preserved bottles																
			Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MeOH	NONE	TPH 8015M	Chloride E 300	BTEX 8021B				
1			Side Wall 12				S	1								X	X	X				
2			Side Wall 13				S	1								X	X	X				
3			Side Wall 14				S	1								X	X	X				
4			Side Wall 15				S	1								X	X	X				
5			Side Wall 16				S	1								X	X	X				
6			Side Wall 17				S	1								X	X	X				
7			Side Wall 18				S	1								X	X	X				
8																						
9																						
10																						
Turnaround Time (Business days)																						
			Data Deliverable Information															Notes				
<input type="checkbox"/> Same Day TAT			<input checked="" type="checkbox"/> 5 Day TAT			<input type="checkbox"/> Level II Std QC			<input type="checkbox"/> Level IV (Full Data Pkg /raw data)													
<input type="checkbox"/> Next Day EMERGENCY			<input type="checkbox"/> 7 Day TAT			<input type="checkbox"/> Level III Std QC+ Forms			<input type="checkbox"/> TRRP Level IV													
<input type="checkbox"/> 2 Day EMERGENCY			<input type="checkbox"/> Contract TAT			<input type="checkbox"/> Level 3 (CLP Forms)			<input type="checkbox"/> UST / RG -411													
<input type="checkbox"/> 3 Day EMERGENCY						<input type="checkbox"/> TRRP Checklist																
TAT Starts Day received by Lab, if received by 5:00 pm																						
Relinquished by Sampler:			SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY												FED-EX / UPS Tracking #							
1			Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
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Login Sample Receipt Checklist

Client: American Safety Services Inc.

Job Number: 880-532-1

SDG Number: Lea Co NM

Login Number: 532

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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

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



Analytical Report

Prepared for:

Thomas Franklin
American Safety Services, Inc
8715 Andrews Hwy
Odessa, TEXAS 79765

Project: ETP Crude LLC-Diamond Tail 6"

Project Number: [none]

Location: Lea County, NM

Lab Order Number: 1F11002



Current Certification

Report Date: 06/15/21

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Bottom Hole 5 (8' EB) @ 0-6"	1F11002-01	Soil	06/10/21 12:30	06-11-2021 09:30
Bottom Hole 8 (8' EB) @ 0-6"	1F11002-02	Soil	06/10/21 12:32	06-11-2021 09:30
Side Wall 12	1F11002-03	Soil	06/10/21 12:34	06-11-2021 09:30
Side Wall 18	1F11002-04	Soil	06/10/21 12:36	06-11-2021 09:30

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Bottom Hole 5 (8' EB) @ 0-6"

1F11002-01 (Soil)

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

Organics by GC

Benzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.7 %		75-125		P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.2 %		75-125		P1F1108	06/11/21 13:18	06/11/21 19:01	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.01	mg/kg dry	1	P1F1107	06/11/21 12:55	06/11/21 19:58	EPA 300.0	
% Moisture	1.0	0.1	%	1	P1F1404	06/14/21 08:35	06/14/21 08:37	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 21:57	TPH 8015M	
>C12-C28	44.5	25.3	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 21:57	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 21:57	TPH 8015M	
Surrogate: 1-Chlorooctane	97.7 %		70-130		P1F1111	06/11/21 12:00	06/11/21 21:57	TPH 8015M	
Surrogate: o-Terphenyl	101 %		70-130		P1F1111	06/11/21 12:00	06/11/21 21:57	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	44.5	25.3	mg/kg dry	1	[CALC]	06/11/21 12:00	06/11/21 21:57	calc	

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Bottom Hole 8 (8' EB) @ 0-6"

1F11002-02 (Soil)

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

Organics by GC

Benzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.4 %		75-125		P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.1 %		75-125		P1F1108	06/11/21 13:18	06/11/21 19:22	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.78	1.00	mg/kg dry	1	P1F1107	06/11/21 12:55	06/11/21 20:14	EPA 300.0	
% Moisture	ND	0.1	%	1	P1F1404	06/14/21 08:35	06/14/21 08:37	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 22:19	TPH 8015M	
>C12-C28	33.9	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 22:19	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 22:19	TPH 8015M	
Surrogate: 1-Chlorooctane	99.5 %		70-130		P1F1111	06/11/21 12:00	06/11/21 22:19	TPH 8015M	
Surrogate: o-Terphenyl	100 %		70-130		P1F1111	06/11/21 12:00	06/11/21 22:19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	33.9	25.0	mg/kg dry	1	[CALC]	06/11/21 12:00	06/11/21 22:19	calc	

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Side Wall 12
1F11002-03 (Soil)

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

Organics by GC

Benzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.0 %		75-125		P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	97.4 %		75-125		P1F1108	06/11/21 13:18	06/11/21 20:26	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1F1107	06/11/21 12:55	06/11/21 20:29	EPA 300.0	
% Moisture	ND	0.1	%	1	P1F1404	06/14/21 08:35	06/14/21 08:37	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 22:42	TPH 8015M	
>C12-C28	144	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 22:42	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 22:42	TPH 8015M	
Surrogate: 1-Chlorooctane	100 %		70-130		P1F1111	06/11/21 12:00	06/11/21 22:42	TPH 8015M	
Surrogate: o-Terphenyl	82.4 %		70-130		P1F1111	06/11/21 12:00	06/11/21 22:42	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	144	25.0	mg/kg dry	1	[CALC]	06/11/21 12:00	06/11/21 22:42	calc	

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Side Wall 18
1F11002-04 (Soil)

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

Organics by GC

Benzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	87.8 %		75-125		P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.2 %		75-125		P1F1108	06/11/21 13:18	06/11/21 20:47	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.00	mg/kg dry	1	P1F1107	06/11/21 12:55	06/11/21 20:44	EPA 300.0	
% Moisture	ND	0.1	%	1	P1F1404	06/14/21 08:35	06/14/21 08:37	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 23:04	TPH 8015M	
>C12-C28	167	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 23:04	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P1F1111	06/11/21 12:00	06/11/21 23:04	TPH 8015M	
Surrogate: 1-Chlorooctane	102 %		70-130		P1F1111	06/11/21 12:00	06/11/21 23:04	TPH 8015M	
Surrogate: o-Terphenyl	98.0 %		70-130		P1F1111	06/11/21 12:00	06/11/21 23:04	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	167	25.0	mg/kg dry	1	[CALC]	06/11/21 12:00	06/11/21 23:04	calc	

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Organics by GC - 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 P1F1108 - * DEFAULT PREP *****

Blank (P1F1108-BLK1)

Prepared & Analyzed: 06/11/21

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: 4-Bromofluorobenzene	0.107		"	0.120		88.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.6	75-125			

LCS (P1F1108-BS1)

Prepared & Analyzed: 06/11/21

Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200		104	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.1	75-125			

LCS Dup (P1F1108-BSD1)

Prepared & Analyzed: 06/11/21

Benzene	0.0956	0.00100	mg/kg wet	0.100		95.6	80-120	10.5	20	
Toluene	0.0978	0.00100	"	0.100		97.8	80-120	11.5	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	12.3	20	
Xylene (p/m)	0.189	0.00200	"	0.200		94.5	80-120	9.39	20	
Xylene (o)	0.0957	0.00100	"	0.100		95.7	80-120	11.4	20	
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.8	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.3	75-125			

Calibration Blank (P1F1108-CCB1)

Prepared & Analyzed: 06/11/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.9	75-125			

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Organics by GC - 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 P1F1108 - * DEFAULT PREP *****

Calibration Blank (P1F1108-CCB2)

Prepared & Analyzed: 06/11/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		96.0	75-125			

Calibration Blank (P1F1108-CCB3)

Prepared: 06/11/21 Analyzed: 06/12/21

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.4	75-125			

Calibration Check (P1F1108-CCV1)

Prepared & Analyzed: 06/11/21

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.6	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			

Calibration Check (P1F1108-CCV2)

Prepared & Analyzed: 06/11/21

Benzene	0.0979	0.00100	mg/kg wet	0.100		97.9	80-120			
Toluene	0.0987	0.00100	"	0.100		98.7	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.0	80-120			
Xylene (o)	0.0976	0.00100	"	0.100		97.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Organics by GC - 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 P1F1108 - * DEFAULT PREP *****

Calibration Check (P1F1108-CCV3)

Prepared: 06/11/21 Analyzed: 06/12/21

Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		102	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.9	75-125			

Matrix Spike (P1F1108-MS1)

Source: 1F11001-01

Prepared: 06/11/21 Analyzed: 06/12/21

Benzene	0.0839	0.00100	mg/kg dry	0.101	ND	83.0	80-120			
Toluene	0.0811	0.00100	"	0.101	ND	80.2	80-120			
Ethylbenzene	0.0808	0.00100	"	0.101	ND	80.0	80-120			
Xylene (p/m)	0.160	0.00200	"	0.202	ND	79.2	80-120			QM-07
Xylene (o)	0.0724	0.00100	"	0.101	ND	71.6	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.113		"	0.121		93.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.121		99.9	75-125			

Matrix Spike Dup (P1F1108-MSD1)

Source: 1F11001-01

Prepared: 06/11/21 Analyzed: 06/12/21

Benzene	0.0853	0.00100	mg/kg dry	0.101	ND	84.5	80-120	1.71	20	
Toluene	0.0829	0.00100	"	0.101	ND	82.1	80-120	2.24	20	
Ethylbenzene	0.0838	0.00100	"	0.101	ND	83.0	80-120	3.74	20	
Xylene (p/m)	0.162	0.00200	"	0.202	ND	80.3	80-120	1.37	20	
Xylene (o)	0.0753	0.00100	"	0.101	ND	74.5	80-120	3.93	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.110		"	0.121		90.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.121		97.8	75-125			

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

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 P1F1107 - *** DEFAULT PREP ***										
Blank (P1F1107-BLK1)				Prepared & Analyzed: 06/11/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1F1107-BS1)				Prepared & Analyzed: 06/11/21						
Chloride	387	1.00	mg/kg wet	400		96.8	90-110			
LCS Dup (P1F1107-BSD1)				Prepared & Analyzed: 06/11/21						
Chloride	390	1.00	mg/kg wet	400		97.6	90-110	0.779	20	
Calibration Check (P1F1107-CCV1)				Prepared & Analyzed: 06/11/21						
Chloride	18.8		mg/kg	20.0		94.1	90-110			
Calibration Check (P1F1107-CCV2)				Prepared & Analyzed: 06/11/21						
Chloride	18.6		mg/kg	20.0		93.0	90-110			
Calibration Check (P1F1107-CCV3)				Prepared: 06/11/21 Analyzed: 06/14/21						
Chloride	20.1		mg/kg	20.0		100	90-110			
Matrix Spike (P1F1107-MS1)				Source: 1E25002-95 Prepared & Analyzed: 06/11/21						
Chloride	10500	28.4	mg/kg dry	2840	7460	108	80-120			
Matrix Spike (P1F1107-MS2)				Source: 1F11001-05 Prepared & Analyzed: 06/11/21						
Chloride	464	1.00	mg/kg dry	500	ND	92.9	80-120			
Matrix Spike Dup (P1F1107-MSD1)				Source: 1E25002-95 Prepared & Analyzed: 06/11/21						
Chloride	11100	28.4	mg/kg dry	2840	7460	128	80-120	5.14	20	QM-4X
Matrix Spike Dup (P1F1107-MSD2)				Source: 1F11001-05 Prepared & Analyzed: 06/11/21						
Chloride	471	1.00	mg/kg dry	500	ND	94.2	80-120	1.42	20	

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

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 P1F1404 - * DEFAULT PREP *****

Blank (PIF1404-BLK1)				Prepared & Analyzed: 06/14/21				
% Moisture	ND	0.1	%					
Duplicate (PIF1404-DUP1)				Source: 1F11002-03		Prepared & Analyzed: 06/14/21		
% Moisture	ND	0.1	%	ND		20		
Duplicate (PIF1404-DUP2)				Source: 1F11006-03		Prepared & Analyzed: 06/14/21		
% Moisture	ND	0.1	%	14.0		200	20	R3

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

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 P1F1111 - TX 1005

Blank (P1F1111-BLK1)

Prepared & Analyzed: 06/11/21

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	86.4		"	100		86.4	70-130			
Surrogate: o-Terphenyl	44.0		"	50.0		88.0	70-130			

LCS (P1F1111-BS1)

Prepared & Analyzed: 06/11/21

C6-C12	788	25.0	mg/kg wet	1000		78.8	75-125			
>C12-C28	779	25.0	"	1000		77.9	75-125			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	42.5		"	50.0		85.1	70-130			

LCS Dup (P1F1111-BSD1)

Prepared & Analyzed: 06/11/21

C6-C12	931	25.0	mg/kg wet	1000		93.1	75-125	16.7	20	
>C12-C28	909	25.0	"	1000		90.9	75-125	15.3	20	
Surrogate: 1-Chlorooctane	96.7		"	100		96.7	70-130			
Surrogate: o-Terphenyl	52.2		"	50.0		104	70-130			

Calibration Check (P1F1111-CCV1)

Prepared & Analyzed: 06/11/21

C6-C12	447	25.0	mg/kg wet	500		89.3	85-115			
>C12-C28	466	25.0	"	500		93.3	85-115			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	47.1		"	50.0		94.2	70-130			

Calibration Check (P1F1111-CCV2)

Prepared & Analyzed: 06/11/21

C6-C12	466	25.0	mg/kg wet	500		93.1	85-115			
>C12-C28	498	25.0	"	500		99.6	85-115			
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	49.1		"	50.0		98.2	70-130			

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

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 P1F1111 - TX 1005

Calibration Check (P1F1111-CCV3)

Prepared: 06/11/21 Analyzed: 06/12/21

C6-C12	496	25.0	mg/kg wet	500		99.2	85-115			
>C12-C28	522	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	51.7		"	50.0		103	70-130			

Matrix Spike (P1F1111-MS1)

Source: 1F11002-04

Prepared: 06/11/21 Analyzed: 06/12/21

C6-C12	965	25.0	mg/kg dry	1000	11.1	95.4	75-125			
>C12-C28	983	25.0	"	1000	167	81.6	75-125			
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	45.1		"	50.0		90.2	70-130			

Matrix Spike Dup (P1F1111-MSD1)

Source: 1F11002-04

Prepared: 06/11/21 Analyzed: 06/12/21

C6-C12	995	25.0	mg/kg dry	1000	11.1	98.4	75-125	3.08	20	
>C12-C28	1030	25.0	"	1000	167	86.2	75-125	5.49	20	
Surrogate: 1-Chlorooctane	95.4		"	100		95.4	70-130			
Surrogate: o-Terphenyl	46.7		"	50.0		93.3	70-130			

Permian Basin Environmental Lab, L.P.

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

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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
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:

6/15/2021

Brent Barron, Laboratory Director/Technical Director

American Safety Services, Inc
8715 Andrews Hwy
Odessa TEXAS, 79765

Project: ETP Crude LLC-Diamond Tail 6"
Project Number: [none]
Project Manager: Thomas Franklin

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.

PBMLAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

ERP Code LLE

Project Name: Diamond Tail Co

Project #:

Project Loc: Lea Co NM

PO #:

Page 16 of 16

Project Manager: Thomas Franklin

Company Name: American Safety Services Inc.

Company Address: 8715 Andrews Hwy.

City/State/Zip: Odessa, TX 79765

Telephone No: 432-357-9868/432-552-7625

Fax No:

Sampler Signature: [Signature]

e-mail:

tfranklin@americansafety.net

Report Format:

☒ Standard☐ TRRP☐ NPDES

(lab use only)

ORDER #: 1F11002

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX 80215/5030 or BTEX 8260

RCI

N.O.R.M.

X Chloride 300

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

TCLP:

TOTAL:

Analyze For:

Special Instructions:

Send results to Thomas Franklin

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Sampler/Client Rep.?

UPS DHL FedEx Lone Star

Temperature Upon Receipt:

Adjusted: 11.0 °C Factor

Relinquished by: [Signature]

Date

Time

Received by:

Luis Ibarra

Date

Time

Relinquished by: [Signature]

Date

Time

Received by:

Luis Ibarra

Date

Time

Relinquished by: [Signature]

Date

Time

Received by:

Luis Ibarra

Date

Time



SUMMARY REPORT

1400 Rankin Hwy
Midland, TX 79701
Phone: 432-686-7235

Page 1 of 2

American Safety Services, Inc

Project: ETP Crude LLC-Diamond Tail 6"

8715 Andrews Hwy

Project Number: [none]

Odessa TEXAS, 79765

Project Manager: Thomas Franklin

SAMPLED: 06/10/21

REPORTED: 06/15/21 13:00

RECEIVED: 06-11-202

LAB #		1F11002-01	1F11002-02	1F11002-03	1F11002-04	-	-
MATRIX	Minimum	Soil	Soil	Soil	Soil	-	-
SAMPLE ID	Reporting Limit	Bottom Hole 5 (8' EB) @ 0-6"	Bottom Hole 8 (8' EB) @ 0-6"	Side Wall 12	Side Wall 18	-	-

Organics by GC (Solid)

Benzene	0.00100 mg/kg dry	<0.00100	<0.00100	<0.00100	<0.00100	-	-
Toluene	0.00100 mg/kg dry	<0.00100	<0.00100	<0.00100	<0.00100	-	-
Ethylbenzene	0.00100 mg/kg dry	<0.00100	<0.00100	<0.00100	<0.00100	-	-
Xylene (p/m)	0.00200 mg/kg dry	<0.00200	<0.00200	<0.00200	<0.00200	-	-
Xylene (o)	0.00100 mg/kg dry	<0.00100	<0.00100	<0.00100	<0.00100	-	-
4-Bromofluorobenzene	125 [surr]	93.7%	89.4%	89.0%	87.8%	-	-
1,4-Difluorobenzene	125 [surr]	98.2%	96.1%	97.4%	96.2%	-	-

General Chemistry Parameters by EPA / Standard Methods (Soil)

Chloride	1.00 mg/kg dry	<1.01	2.78	<1.00	<1.00	-	-
% Moisture	0.1 %	1.0	<0.1	<0.1	<0.1	-	-

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M (Soil)

C6-C12	25.0 mg/kg dry	<25.3	<25.0	<25.0	<25.0	-	-
>C12-C28	25.0 mg/kg dry	44.5	33.9	144	167	-	-
>C28-C35	25.0 mg/kg dry	<25.3	<25.0	<25.0	<25.0	-	-
1-Chlorooctane	130 [surr]	97.7%	99.5%	100%	102%	-	-
o-Terphenyl	130 [surr]	101%	100%	82.4%	98.0%	-	-
Total Petroleum Hydrocarbon C6-C35	25.0 mg/kg dry	-	33.9	144	167	-	-
Total Petroleum Hydrocarbon C6-C35	25.3 mg/kg dry	44.5	-	-	-	-	-

Permian Basin Environmental Lab, L.P.

Sara Gotcher For Brent Barron

Technical Director

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.

Page 1 of 2

**SUMMARY REPORT**

1400 Rankin Hwy
Midland, Tx 79701
Phone: 432-686-7235

Page 2 of 2

American Safety Services, Inc

8715 Andrews Hwy

Odessa TEXAS, 79765

SAMPLED: 06/10/21**RECEIVED:** 06-11-202

Project: ETP Crude LLC-Diamond Tail 6"

Project Number: [none]

Project Manager: Thomas Franklin

REPORTED: 06/15/21 13:00**Special Notes**

- 1 = Samples received in Bulk soil containers
- 2 = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 3 = The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- 4 = The RPD exceeded the acceptance limit due to sample matrix effects.
- 5 = Received on Ice

Permian Basin Environmental Lab, L.P.

A handwritten signature in blue ink, reading "Sara Gotcher For Brent Barron".

Sara Gotcher For Brent Barron

Technical Director

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APPENDIX E

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party ETC Texas Pipeline	OGRID 371183
Contact Name Lyanne Lara	Contact Telephone 432-425-5710
Contact email Lyanne.lara@energytransfer.com	Incident # (assigned by OCD) nAPP2100849943
Contact mailing address 600 N. Marienfeld St. Suite 700 Midland, TX 79701	

Location of Release Source

Latitude 32.2973941 _____ Longitude -103.6531248 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Diamond Tail 6" Lateral	Site Type Pipeline
Date Release Discovered 12/31/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	Sect. 23	T23S	R32E	Lea

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 30	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


The release was attributed to the corrosion of the pipeline segment. Based on volumetric measurements and dimensions of spill area/impacted soil, approximately 30 bbls of crude oil was released.

Incident ID	
District RP	
Facility ID	
Application ID	

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? An unauthorized release of a volume of 25 barrels or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Given by Lyanne Lara via email to BLM on 12/31/2020 at 4:45pm CST.	

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: _____ Lyanne Lara _____	Title: _____ Environmental Specialist _____
Signature: _____ 	Date: ____ 04/16/2021 _____
email: ____ lyanne.lara@energytransfer.com _____	Telephone: 432-425-5710 _____
<u>OCD Only</u>	
Received by: _____	Date: _____

State of New Mexico
Oil Conservation Division

Page 3

Incident ID	
District RP	
Facility ID	
Application ID	

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

Page 5

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ 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: Lyanne Lara

Title: Environmental Specialist

Signature: 

Date: 11/10/2021

Email: Lyanne.Lara@energytransfer.com

Telephone: 432-425-5710

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: 01/26/2022

Printed Name: Jennifer Nobui

Title: Environmental Specialist A



APPENDIX F

Manifests



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 587482

LEASE OPERATOR/SHIPPER/COMPANY: <u>Energy Transfer</u>	DATE: <u>02/04/21</u>
LEASE NAME: <u>Diamond Trail 6" Lateral</u>	TIME: <u>3:10</u> AM/PM <u>(C)</u>
RIG NAME & NUMBER:	VEHICLE NO: <u>1141</u>
TRANSPORTER COMPANY: <u>APS</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Ryan Reich</u>	PHONE:

CHARGE TO: Energy Transfer

TYPE OF MATERIAL [] Tank Bottoms [] Drilling Fluids [] Rinsate [] BS&W Content:
[] Solids [] Contaminated Soil [] Jet Out
Description: CO

VOLUME OF MATERIAL [] BBLs. _____ : [] YARD 20 : [] _____

RRC or API # _____ C-133#

STICKERS, CODES, NUMBERS, ETC.

2130165013
515303

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: E. J. B.
(SIGNATURE)

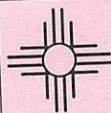
FACILITY REPRESENTATIVE: AUP.
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 587523

LEASE OPERATOR/SHIPPER/COMPANY: ETC

DATE: 02 05 21

LEASE NAME: Diamond Trail 16 "10000"

TIME: 8:51 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 1141

TRANSPORTER COMPANY: APS

PHONE:

GENERATOR COMPANY MAN'S NAME: Ryan Reich

PHONE: 432-269-7814

CHARGE TO: ETC

TYPE OF MATERIAL

☐ Tank Bottoms

☐ Drilling Fluids

☐ Rinsate

☐ BS&W Content:

☐ Solids

☒ Contaminated Soil

☐ Jet Out

Description:

VOLUME OF MATERIAL

☐ BBLs. _____

☒ YARD 20 _____

☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

2130165013
515303

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: E/B

(SIGNATURE)

FACILITY REPRESENTATIVE: MRP

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **587765**

LEASE OPERATOR/SHIPPER/COMPANY: Energy Transfer	DATE: 02 09 21
LEASE NAME: Diamond Trail 6' lateral	TIME: 8 46 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 1141
TRANSPORTER COMPANY: APS	PHONE:
GENERATOR COMPANY MAN'S NAME: Kuan Reich	PHONE:

CHARGE TO: **Energy Transfer**

TYPE OF MATERIAL	<input type="checkbox"/> Tank Bottoms	<input type="checkbox"/> Drilling Fluids	<input type="checkbox"/> Rinsate	<input type="checkbox"/> BS&W Content:
	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Jet Out	
Description: DD				

VOLUME OF MATERIAL	<input type="checkbox"/> BBLS. _____ :	<input checked="" type="checkbox"/> YARD 20 :	<input type="checkbox"/> _____ :
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RRC or API # **C-133#****STICKERS, CODES, NUMBERS, ETC.**

2130165013
515303

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **EjuriB**
 (SIGNATURE)
 FACILITY REPRESENTATIVE: **ACEI**
 (SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 587795

LEASE OPERATOR/SHIPPER/COMPANY: <u>Energy Transfer</u>	DATE: <u>02-09-21</u>
LEASE NAME: <u>Diamond Trail 6" lateral</u>	TIME: <u>12:34</u> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <u>1141</u>
TRANSPORTER COMPANY: <u>APS</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Ryan Reich</u>	PHONE:

CHARGE TO: Energy Transfer

TYPE OF MATERIAL

<input type="checkbox"/> Tank Bottoms	<input type="checkbox"/> Drilling Fluids	<input type="checkbox"/> Rinsate	<input type="checkbox"/> BS&W Content:
<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Jet Out	

Description: CO

VOLUME OF MATERIAL

<input type="checkbox"/> BBLs. _____ :	<input checked="" type="checkbox"/> YARD <u>20</u> :	<input type="checkbox"/> _____ :
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RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

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DRIVER: [Signature]
 (SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
 (SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 587826

LEASE OPERATOR/SHIPPER/COMPANY: Energy Transfer		DATE: 02-09-21
LEASE NAME: Diamond trail "6" Lateral		TIME: 3:54 AM/PM
RIG NAME & NUMBER:		VEHICLE NO: 1141
TRANSPORTER COMPANY: APS		PHONE:
GENERATOR COMPANY MAN'S NAME: Ryan Reich		PHONE:

CHARGE TO: Energy T

TYPE OF MATERIAL	<input type="checkbox"/> Tank Bottoms	<input type="checkbox"/> Drilling Fluids	<input type="checkbox"/> Rinsate	<input type="checkbox"/> BS&W Content:
	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Jet Out	

Description: _____

VOLUME OF MATERIAL	<input type="checkbox"/> BBLs. _____ :	<input checked="" type="checkbox"/> YARD 20 :	<input type="checkbox"/> _____ :
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RRC or API # C-133#

STICKERS, CODES, NUMBERS, ETC.

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DRIVER: _____
 (SIGNATURE)

FACILITY REPRESENTATIVE: _____
 (SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

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**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **587864**

LEASE OPERATOR/SHIPPER/COMPANY: <i>Energy Transfer</i>	DATE: <i>02-10-21</i>
LEASE NAME: <i>Diamond Trail 6" lateral</i>	TIME: <i>842</i> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <i>1141</i>
TRANSPORTER COMPANY: <i>ATX</i>	PHONE:
GENERATOR COMPANY MAN'S NAME: <i>Ryan Reich</i>	PHONE:

CHARGE TO: *Energy Transfer*

TYPE OF MATERIAL	<input type="checkbox"/> Tank Bottoms	<input type="checkbox"/> Drilling Fluids	<input type="checkbox"/> Rinsate	<input type="checkbox"/> BS&W Content:
	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Jet Out	
Description: <i>OD</i>				

VOLUME OF MATERIAL	<input type="checkbox"/> BBLS. _____ :	<input checked="" type="checkbox"/> YARD <i>20</i> :	<input type="checkbox"/> _____ :
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RRC or API # **C-133#****STICKERS, CODES, NUMBERS, ETC.**

2130165013
515803

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *E. Jain B*
 (SIGNATURE)
 FACILITY REPRESENTATIVE: *ACU*
 (SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **587878**

LEASE OPERATOR/SHIPPER/COMPANY: Energy Transfer	DATE: 02-10-21
LEASE NAME: Diamond Trail 6" Lateral	TIME: 12:13 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 1141
TRANSPORTER COMPANY: APS	PHONE:
GENERATOR COMPANY MAN'S NAME: Ryan Reich	PHONE: 8432-269-7511

CHARGE TO: **Energy Transfer****TYPE OF MATERIAL**

☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out

Description: _____

VOLUME OF MATERIAL

☐ BBLS. _____ : ☐ YARD **12** : ☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **587921**

LEASE OPERATOR/SHIPPER/COMPANY: Energy Transfer	DATE: 02-10-21
LEASE NAME: Diamond trail 6" lateral	TIME: 3:50 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 1141
TRANSPORTER COMPANY: NPS	PHONE:
GENERATOR COMPANY MAN'S NAME: Ryan Reich	PHONE: 432-269-7514

CHARGE TO: **Energy Transfer****TYPE OF MATERIAL**

☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out

Description: _____

VOLUME OF MATERIAL

☐ BBLs. _____ : ☒ YARD **20** : ☐ _____

RRC or API #

C-133#**STICKERS, CODES, NUMBERS, ETC.**

2130165013
515303

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c


SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 596365

LEASE OPERATOR/SHIPPER/COMPANY: E.T.P. Crude LLC		DATE: 6/8/21
LEASE NAME: Diamond Tail 6"		TIME: 7:48 AM/PM
RIG NAME & NUMBER:		VEHICLE NO: 1139
TRANSPORTER COMPANY: APS		PHONE:
GENERATOR COMPANY MAN'S NAME: Ryan Reich		PHONE: 422-269-7514

CHARGE TO: ETC

TYPE OF MATERIAL

<input type="checkbox"/> Tank Bottoms	<input type="checkbox"/> Drilling Fluids	<input type="checkbox"/> Rinsate	<input type="checkbox"/> BS&W Content:
<input type="checkbox"/> Solids	<input type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Jet Out	

Description: _____

VOLUME OF MATERIAL

<input type="checkbox"/> BBLS. _____ :	<input type="checkbox"/> YARD 20 :	<input type="checkbox"/> _____
--	------------------------------------	--------------------------------

RRC or API # C-133# NM

STICKERS, CODES, NUMBERS, ETC.

8130165013
 515303

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Roberto Mochales
 (SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]
 (SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c


SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
 Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 596387

LEASE OPERATOR/SHIPPER/COMPANY: <u>E.T.P. Ende</u>	DATE: <u>6/8/21</u>
LEASE NAME: <u>Diamond Tail 6"</u>	TIME: <u>11:50</u> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <u>1139</u>
TRANSPORTER COMPANY: <u>Aps</u>	PHONE: <u>432-552-7625</u>
GENERATOR COMPANY MAN'S NAME: <u>Ryan Reich</u>	PHONE: <u>432-269-7514</u>

CHARGE TO: ETC
TYPE OF MATERIAL

☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☐ Contaminated Soil ☐ Jet Out _____

Description: _____

VOLUME OF MATERIAL

☐ BBLs. _____ : ☐ YARD 20 : ☐ _____

RRC or API # _____

 C-133# NM
STICKERS, CODES, NUMBERS, ETC.

2130165013
515303

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

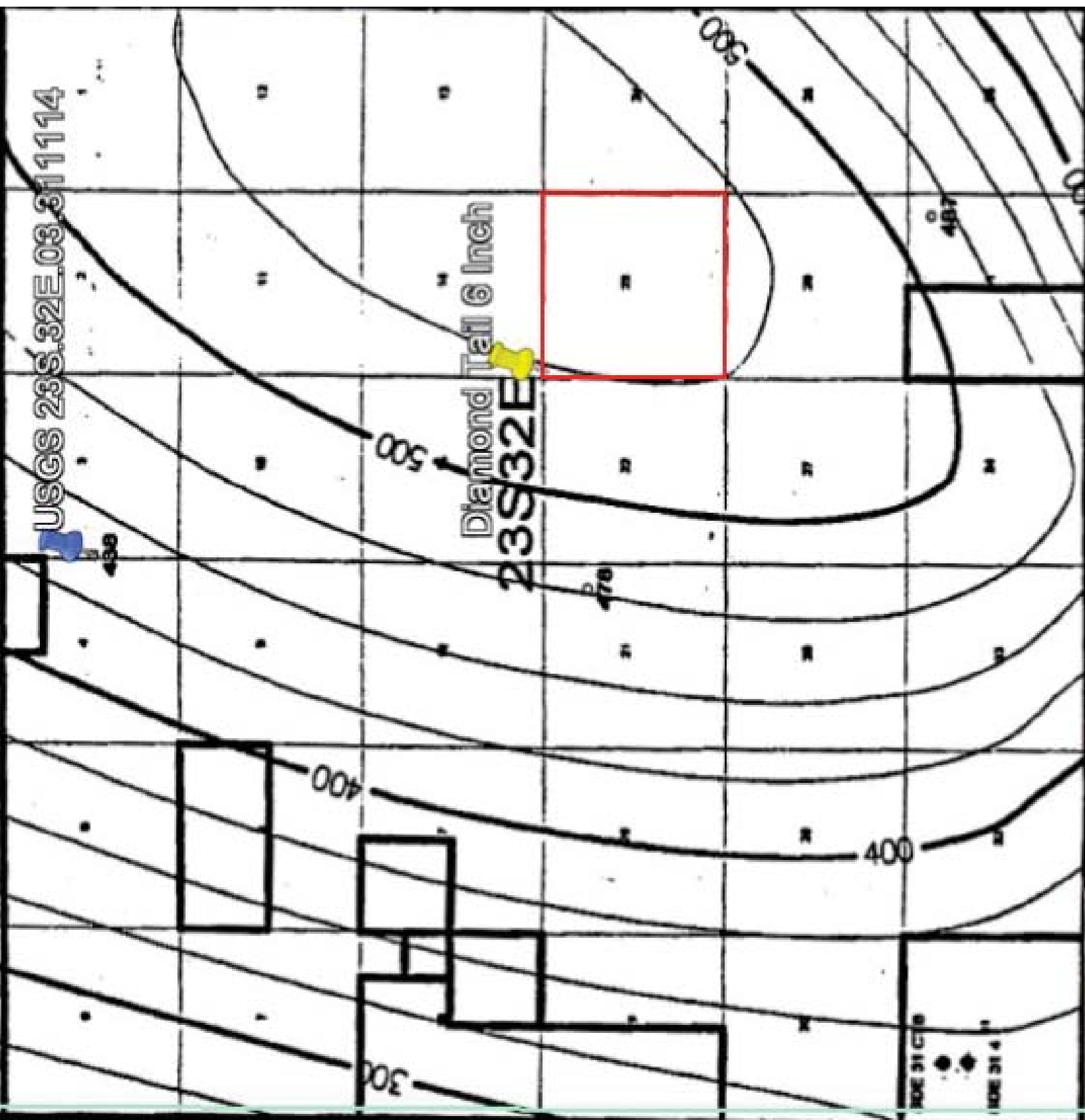
Pink - Transporter

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APPENDIX G

Groundwater





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

USGS Water Resources

Data Category:


Site Information ▼

Geographic Area:

United States ▼

GO

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

USGS 321952103400801 23S.32E.03.311114

Available data for this site

SUMMARY OF ALL AVAILABLE DATA ▼

GO

Well Site

DESCRIPTION:

Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83

Lea County, New Mexico, Hydrologic Unit 13060011

Well depth: 630 feet

Land surface altitude: 3,648.00 feet above NGVD29.

Well completed in "Other aquifers" (N9999OTHER) national aquifer.

Well completed in "Santa Rosa Sandstone" (231SNRS) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1976-12-09	2013-01-17	8
Revisions	Unavailable (site:0) (timeseries:0)		

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to [New Mexico Water Science Center Water-Data Inquiries](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

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Title: NWIS Site Information for USA: Site Inventory

URL: [https://waterdata.usgs.gov/nwis/inventory?](https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321952103400801)

[agency_code=USGS&site_no=321952103400801](https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321952103400801)



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0.27 0.26 caww01



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater



Geographic Area:

United States



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Groundwater levels for the Nation

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Search Results -- 1 sites found

site_no list =

- 321952103400801

Minimum number of levels = 1

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USGS 321952103400801 23S.32E.03.311114

Available data for this site

Groundwater: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83

Land-surface elevation 3,648.00 feet above NGVD29

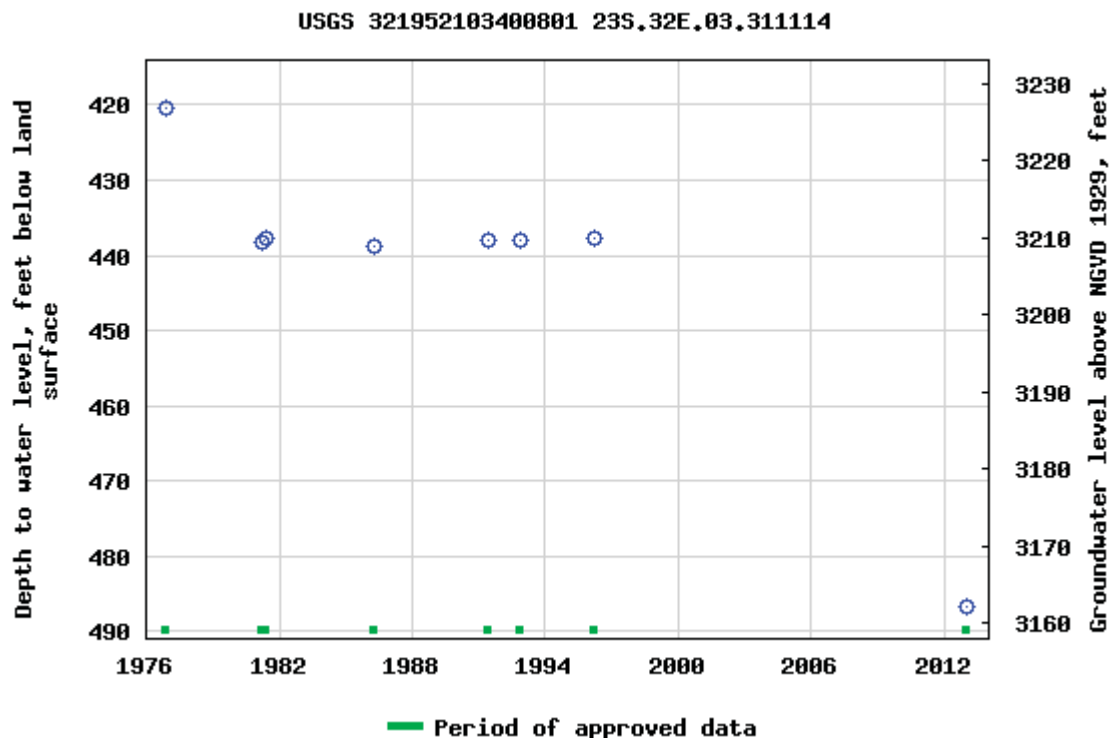
The depth of the well is 630 feet below land surface.

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



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

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



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0.72 0.62 nadww01

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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 64444

CONDITIONS

Operator: ETC Texas Pipeline, Ltd. 8111 Westchester Drive Dallas, TX 75225	OGRID: 371183
	Action Number: 64444
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	1/26/2022