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REMEDIATION SUMMARY AND

SOIL CLOSURE REQUEST

ETC FIELD SERVICES, LLC
Field Scrubber Dump Tanks
Lea County, New Mexico
UNIT LTR "I", Section 32, Township 24 South, Range 37 East, NMPM
Latitude 32.173676° North, Longitude 102.173696° West
NMOCD Reference No. 1RP-4408

APPROVED
By Olivia Yu at 8:09 am, Dec 29, 2017

NMOCD approves of the closure for 1RP-4408 and BGTs.

Prepared For:

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December 2017

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TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

INTRODUCTION AND BACKGROUND INFORMATION

TRC Environmental Corporation (TRC) has prepared the following *Remediation Summary and Closure Request* in regard to recent field activities conducted at the "Field Scrubber Dump Tanks" below-grade tanks (BGTs) site at ETC Field Services, LLC's (ETC) Jal #3 Gas Plant. The site is located in Unit Letter "I" of Section 32, Township 24 South, Range 37 East in Lea County, New Mexico. The "Field Scrubber Dump Tanks", were located adjacent to one another immediately west of the Jal #3 Gas Processing Plant. The site consists of the northern field scrubber dump tank, which could be described as 210-barrel (bbl) steel tank and the southern field scrubber dump tank, which could be described as a 210-bbl fiberglass tank. Each of the BGTs were formerly utilized to contain pipeline liquids. A "Site Location Map" is provided as Figure 1. Copies of the Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Applications (Form C-144s) are provided in Appendix E.

During the initial investigation, three (3) excavations (Excavation A, Excavation B and Excavation C) measuring approximately three (3) to four (4) feet (ft.) in depth were observed adjacent to and in the vicinity of the BGTs. Review of historical documentation indicated, the shallow excavations are related to remediation activities of a previous BGT overflow release (1RP-4408) conducted by an alternate environmental contractor which is no longer affiliated with the site. Review of the Release Notification and Corrective Action (Form C-141) indicated the failure of the field scrubber dump valve resulted in the storage tanks being "overtopped", releasing approximately twenty (20) bbls of a oil and produced water mixture. During initial response activities approximately fifteen (15) bbls of free-standing fluid were recovered utilizing a vacuum truck. The release affected the area around the tanks, along with areas to the west and south of the tanks. Original field notes and laboratory analytical data were not readily available. A copy of the Release Notification and Corrective Action (Form C-141) is provided in Appendix D.

On August 7, 2017, representatives of the NMOCD, TRC and ETC met to discuss the site. During the meeting, it was determined the open excavations adjacent to and in the vicinity of the BGTs would be remediated in accordance with the NMOCD *Guidelines for the Remediation of Leaks, Spills and Releases.* Soil beneath the BGTs would be remediated in accordance with the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft.

NMOCD SITE CLASSIFICATION

Review of the New Mexico Water Rights Reporting System (NMWRRS) online database indicated depth to groundwater information is not available for Section 32, Township 24 South, Range 37 East. Review of a depth to groundwater gradient map utilized by the NMOCD indicated groundwater is estimated to be encountered at approximately 220 ft. below ground surface (bgs). Based on the NMOCD site classification system, zero (0) points will be assigned to the Release Site as a result of this criterion.

No water wells were observed within one-thousand (1,000) ft. of the Release Site. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion.

No surface water was observed within one thousand (1,000) ft. of the release. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion.

The NMOCD guidelines indicate the Site has a ranking score of zero (0). Based on this score, the Recommended Remediation Action Levels (RRAL) for a release site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/kg (ppm)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) – 50 mg/kg (ppm)
- Total Petroleum Hydrocarbons (TPH) – 5,000 mg/kg (ppm)
- Chloride – 600 mg/kg (ppm)

The *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft. are as follows:

- Benzene – 10 mg/kg (ppm)
- BTEX – 50 mg/kg (ppm)
- Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) – 1,000 mg/kg (ppm)
- TPH – 2,500 mg/kg (ppm)
- Chloride – 20,000 mg/kg (ppm)

SUMMARY OF SOIL REMEDIATION ACTIVITIES

On July 18, 2017, TRC collected soil samples from the floor and sidewalls of each of the open excavations and submitted the soil samples to the laboratory for analysis of benzene, BTEX, TPH and chloride. Laboratory analytical results indicated benzene, BTEX, total petroleum hydrocarbon (TPH) and chloride concentrations were below the NMOCD RRAL in each of the submitted soil samples, with the exception of soil Exc. B South Sidewall, which exhibited a TPH concentration of 5,520.1 milligrams per kilogram (mg/kg). Sample locations are depicted on Figure 3. A tables summarizing "Concentrations of Benzene, BTEX, TPH and Chloride in Soil (1RP-4408)" is provided as Table 2. Laboratory analytical reports are provided in Appendix A.

On August 4, 2017, ETC submitted a *Proposed Closure Strategy – Field Scrubbers* (*Closure Strategy*) to the New Mexico Oil Conservation Division (NMOCD) proposing field activities designed to advance the field scrubber BGTs toward an NMOCD-approved closure. The *Closure Strategy* proposed closing the BGTs by removing the remaining contents from each of the BGTs, disposing of the contents at an NMOCD-permitted facility, removal of the BGTs, conducting an inspection of the bottom and sides of each of the BGTs along with the adjacent soil. In addition, the *Closure Strategy* included the collection of a composite soil sample beneath each of the BGTs former location. The *Closure Strategy* was subsequently approved.

On August 7, 2017, representatives of the NMOCD, TRC and ETC met to discuss the site. During the meeting, it was determined that the open excavations adjacent to and in the vicinity of the BGTs would be remediated in accordance with the NMOCD *Guidelines for the Remediation of Leaks, Spills and Releases.*

On August 23, 2017, excavation activities commenced. Impacted soil in the area represented by soil sample Exc. B South Sidewall was excavated and stockpiled on-site, atop an impermeable polyurethane liner. Upon advancing Excavation B toward the south, one (1) soil sample (Exc. B SSWb) was collected and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride. Laboratory analytical results indicated benzene, BTEX and chloride concentrations were below the NMOCD RRAL. Soil sample Exc. B SSWb exhibited a TPH concentration of 12,186.4 mg/kg. In addition, delineation trenches were advanced in the floors of the three (3) open excavations. During the advancement of the delineation trench, one (1) soil sample was collected from the base of each trench approximately five (5) ft. beneath the current grade. The collected soil samples (Exc. A TT @ 9', Exc. B TT @ 8' and were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride. Laboratory analytical results indicated benzene, BTEX, TPH and chloride concentrations were below the NMOCD RRAL in each of the submitted soil samples.

On August 24, 2017, as per the approved *Closure Strategy*, the northern, steel BGT was removed utilizing mechanical equipment. Upon removing the BGT, a visual inspection was conducted on the base and sides of the BGT to search for evidence of a release. During the inspection, the tank appeared to be intact and no evidence of failures were discovered. In addition, the adjacent soils were inspected for stains or excessive moisture. The observed soil beneath the steel BGT did not exhibit staining or excessive moisture; slight staining was noted in the south sidewall of former steel BGT location. As per the approved *Closure Strategy,* one (1) five-point composite soil sample (N. BGT Floor @ 18') was collected from soil beneath the tank's former location and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene, BTEX, GRO+DRO, TPH and chloride concentrations were below the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft.

In addition, four (4) sidewall soil samples (N. BGT NSW, N. BGT ESW, N. BGT SSW and N. BGT WSW) were collected from the adjacent sidewalls at approximately thirteen (13) ft. bgs and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene concentrations were less than the laboratory reporting limit (RL) in each of the submitted soil samples. BTEX concentrations ranged from less than the laboratory RL in soil samples N. BGT NSW and N. BGT WSW to 9.664 mg/kg in soil sample N. BGT SSW. TPH concentrations ranged from less than the laboratory RL in soil samples N. BGT NSW and N. BGT WSW to 1,932 mg/kg in soil sample N. BGT SSW. Chloride concentrations ranged from 21.7 mg/kg in soil sample N. BGT NSW to 104 mg/kg in soil sample N. BGT SSW. Benzene, BTEX, TPH and chloride concentrations were below the NMOCD RRAL in each of the submitted soil samples.

On August 28, 2017, the southern, fiberglass BGT was removed utilizing mechanical equipment. Upon removing the BGT, a visual inspection was conducted on the base and sides of the BGT to search for evidence of a release. During the inspection, the tank appeared to be intact and no evidence of failures were discovered. In addition, the adjacent soils were inspected for stains or excessive moisture. Soil beneath the fiberglass BGT exhibited slight staining but no excessive moisture. Staining was also observed in the northern, western and eastern sidewalls of former fiberglass BGT location. A portion of the staining appeared to be related to anoxic conditions as opposed to hydrocarbon staining. As per the approved *Closure Strategy,* one (1) five-point composite soil sample (S. BGT Floor @ 18') was collected from soil beneath the tank's former location and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene, BTEX, TPH and chloride concentrations were below the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft. The combined GRO+DRO concentrations exceeded the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft.

In addition, four (4) sidewall soil samples (S. BGT NSW, S. BGT ESW, S. BGT SSW and S. BGT WSW) were collected from the adjacent sidewalls and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene concentrations were less than the laboratory RL in each of the submitted soil samples, with the exception of S. BGT ESW, which exhibited a benzene concentration of 15.6 mg/kg. BTEX concentrations ranged from 9.78 mg/kg in soil sample S. BGT SSW to 135.04 mg/kg in soil sample S. BGT ESW. TPH concentrations ranged from 977.5 mg/kg in soil samples S. BGT SSW to 20,200 mg/kg in soil sample S. BGT ESW. Chloride concentrations ranged from 22.5 mg/kg in soil sample S. BGT WSW to 313 mg/kg in soil sample S. BGT NSW. Benzene, BTEX, TPH and chloride concentrations were below the NMOCD RRAL in each of the submitted soil samples, with the exception of soil samples S. BGT ESW and S. BGT WSW, which exhibited TPH concentrations of 20,200 mg/kg and 5,431 mg/kg, respectively.

On September 18, 2017, TRC submitted a *Remediation Summary and Proposed Closure Strategy (Proposed Closure Strategy)* to the NMOCD, on behalf of ETC, detailing field activities and laboratory analytical results from confirmation soil samples collected to date.

ETC proposed the following field activities designed to advance the Field Scrubber Dump Tank site toward an NMOCD-approved closure:

- Advance the floor of the excavation in the area represented by soil sample S. BGT Floor @ 18', until laboratory analytical results from confirmation soil samples indicated TPH concentrations were below the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft

- Advance the sidewalls of the excavation in the area represented by soil samples S. BGT ESW, S. BGT WSW and Exc. B SSWb until laboratory analytical results from

confirmation soil samples indicate BTEX and/or TPH concentrations were below the NMOCD RRAL.

- Transport excavated material to an NMOCD-permitted facility for disposal.

- Upon receiving laboratory analytical results from confirmation soil samples and NMOCD permission, backfill the three (3) excavated areas and former BGT locations with locally sourced, non-impacted material.

The Proposed Closure Strategy was subsequently approved. Please reference the *Remediation Summary and Proposed Closure Strategy* for the Field Scrubber Dump Tanks & 1RP-4408, dated September 13, 2017, for additional details.

On October 18, 2017, remediation activities resumed at the Site. As per the approved *Proposed Remediation Strategy,* the floor of the excavation in the area represented by soil sample S. BGT Floor @ 18' was advanced until field observations suggested TPH concentrations were below the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft. Upon advancing the floor of the excavation, one (1) confirmation soil samples (S. BGT Floor @ 21') was collected from the base of the excavated area and submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated the combined GRO+DRO and TPH (662 mg/kg) concentrations were below the *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft.

As per the approved *Proposed Remediation Strategy*, excavation sidewalls in the area represented by soil samples S. BGT ESW, S. BGT WSW and Exc. B SSWb were advanced until laboratory analytical results from confirmation soil samples indicate BTEX and/or TPH concentrations were below the NMOCD RRAL. Upon advancing the sidewalls of the excavated areas, three (3) confirmation soil samples (Exc. B SSWb, S. BGT ESWb and S. BGT WSWb) were collected from the excavated area and submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations ranged from 603 mg/kg in soil sample S. BGT WSWb to 4,223 mg/kg in soil sample S. BGT ESWb. Soil sample S. BGT ESWb was also analyzed for concentrations of benzene and BTEX, which were determined to be less than the laboratory RL and 14.99 mg/kg, respectively. Laboratory analytical results indicated benzene, BTEX and/or TPH concentrations were below the NMOCD RRAL in each of the submitted soil samples.

The final dimensions of the excavated area characterized by the former north BGT were approximately eighteen (18) ft. in length, eighteen (18) ft. in width and eighteen (18) ft. in depth. The final dimensions of the excavated area characterized by the former south BGT were approximately twenty-four (24) ft. in length, eighteen (18) ft. in width and twenty-one (21) ft. in depth. The final dimensions of Excavation A were approximately sixty (60) ft. in length, ten (10) to forty (40) ft. in width and four (4) ft. in depth. The final dimensions of Excavation B were approximately sixty (60) ft. in length, twenty (20) ft. in width and three (3) ft. in depth. The final dimensions of Excavation C were approximately sixty-seven (67) ft. in length, eight (8) to twenty (20) ft. in width and four (4) ft. in depth. A photographic log is provided as Appendix B.

Upon receiving laboratory analytical results from confirmation soil samples, the excavated areas were backfilled with locally purchased, non-impacted material in an effort to mitigate safety concerns associated with the open excavations. Excavation backfill was compacted and graded to match the surrounding topography. Between October 16 and November 14, 2017, approximately five hundred and thirty-six (536) cubic yards (cy) of impacted soil was transported to Sundance Services (NMOCD Permit No. NM1-3-0) for disposal. Copies of Waste Manifests are provided in Appendix C.

The Site will be reseeded in accordance with the land owner at a time more conducive to germination.

SITE CLOSURE REQUEST

Remediation activities were conducted in accordance with the NMOCD-approved *Remediation Summary and Proposed Closure Strategy.* Impacted soil was excavated and transported to and NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate BTEX, TPH and chloride concentrations were below the NMOCD RRAL and/or *Closure Criteria for Soils beneath BGTs, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed* for sites where the depth below the bottom of pit to groundwater is greater than 100 ft.

Based on laboratory analytical results and field activities conducted to date, TRC recommends ETC provide copies of this *Remediation Summary and Soil Closure Request* to the NMOCD and request closure status to the Field Scrubber Dump Tank Site.

LIMITATIONS

TRC has prepared this *Remediation Summary and Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended.

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of ETC Field Services, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or ETC Field Services, LLC.

DISTRIBUTION

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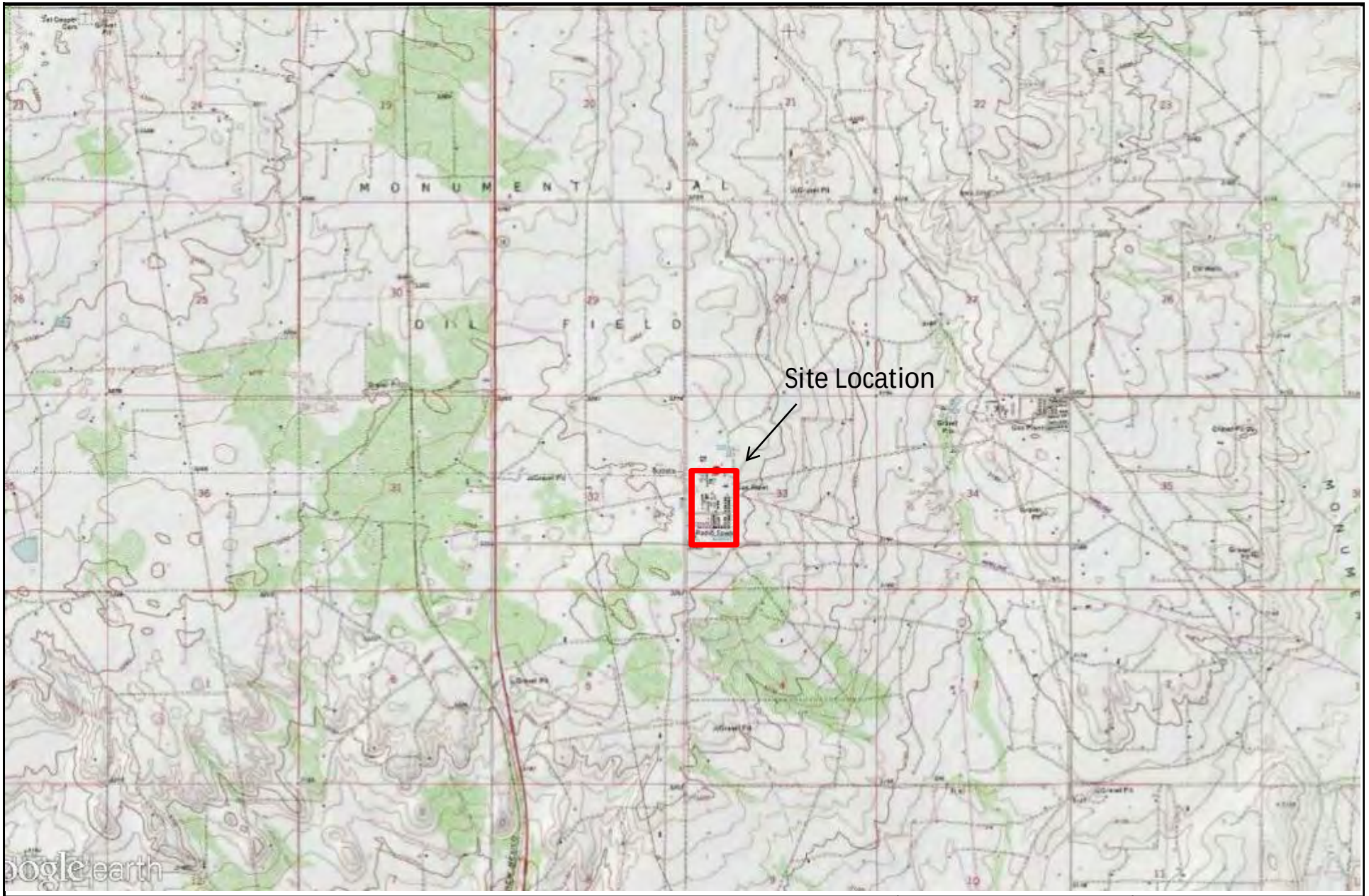

LEGEND:

4000 2000 0 2000 4000

Distance in Feet

Figure 1

Site Location Map
ETC Field Services, LLC
Jal #3 BGTs
Lea County, NM

Scale 1" = 4,000'	
Drafted By: JL	Checked By: CS
Draft: July 28, 2017	
Lat. N 32.173676 Long. W102.173696	
Sec. 32 T24S R37E	
TRC Proj. Nos.: 283490, 284097	

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LEGEND:

- "Floor" Sample Location
- "Sidewall" Sample Location
- Excavated Area
- Former Below-Grade Tank

Figure 2

Site & Sample Location Map
ETC Field Services, LLC
Jal #3 - BGTs
Lea County, NM

Scale 1" = 30'	
Drafted By: JL	Checked By: CS
Draft: July 28, 2017	
Lat. N 32.173676 Long. W102.173696	
Sec. 32 T24S R37E	
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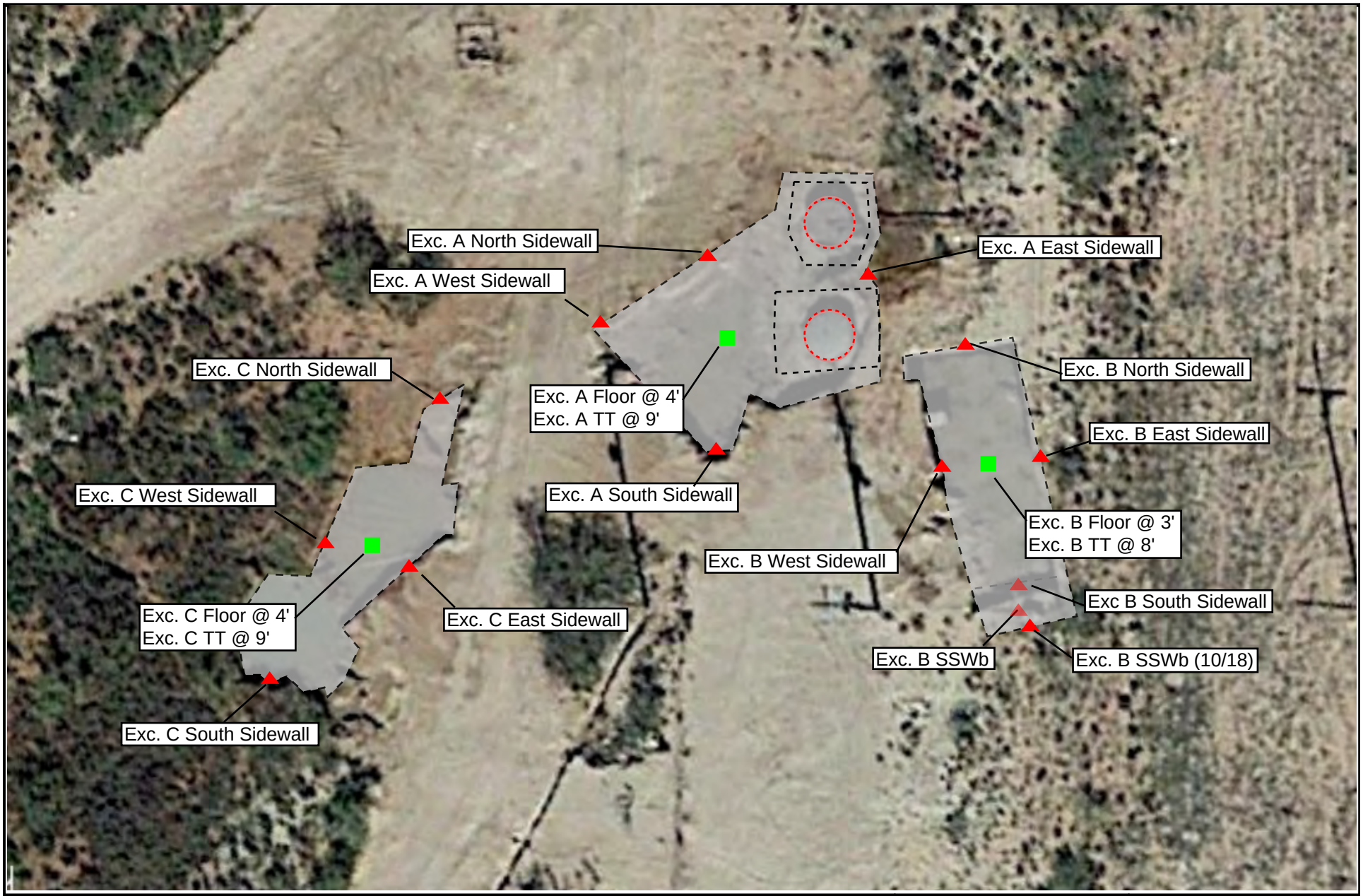

LEGEND:

- "Floor" Sample Location
- "Sidewall" Sample Location
- Excavated Area
- Former Below-Grade Tank

Figure 3

Site & Sample Location Map
ETC Field Services, LLC
Jal #3 - 1RP-4408
Lea County, NM

Scale 1" = 30'	
Drafted By: JL	Checked By: CS
Draft: July 28, 2017	
Lat. N 32.173676 Long. W102.173696	
Sec. 32 T24S R37E	
TRC Proj. Nos.: 283490	

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TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
JAL #3 FIELD SCRUBBER DUMP TANK - BELOW-GRADE TANKS
ETC FIELD SERVICES, LLC
LEA COUNTY, NM

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (inches)	STATUS	Methods: EPA SW 846-8021B, 5030						Methods:				Method:
										EPA SW 846-8015M				E300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	m,p, XYLENE (mg/Kg)	o-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TOTAL TPH (mg/Kg)	CHLORIDE (mg/Kg)
N. BGT Floor @ 18'	8/28/2017	18'	In-Situ	<0.00199	0.0223	0.0773	0.0812	0.160	0.3408	26.5	345	110	481.5	88.9
S. BGT Floor @ 18'	8/28/2017	18'	Excavated	<0.202	0.443	0.661	4.46	2.03	7.594	**264**	**979**	249	1,492	105
S. BGT Floor @ 21'	10/18/2017	21'	In-Situ	-	-	-	-	-	-	272	390	<125	662	-
Closure Criteria for Soils beneath BGTs, Dry Pads Associated with Closed-Loop Systems and Pits where Contents are Removed				**10**	**-**	**-**	**-**	**-**	**50**	**1,000**		**-**	**2,500**	**20,000**

TABLE 2

CONCENTRATIONS OF BENZENE, BTEX, TPH, AND CHLORIDE IN SOIL
JAL #3 FIELD SCRUBBER DUMP TANK - RELEASE
ETC FIELD SERVICES, LLC
LEA COUNTY, NM

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (inches)	STATUS	Methods: EPA SW 846-8021B, 5030						Methods:				Method:
										EPA SW 846-8015M				E300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	m,p, XYLENE (mg/Kg)	o-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TOTAL TPH (mg/Kg)	CHLORIDE (mg/Kg)
Exc. A Floor @ 4'	7/18/2017	4'	In-Situ	11.5	7.71	4.30	12.1	2.19	37.8	1,420	1,190	<250	2,610	81.3
Exc. A North Sidewall	7/18/2017	3'	In-Situ	<0.0194	0.0426	0.0233	0.0523	<0.0194	0.1182	<3.88	516	<250	516	222
Exc. A East Sidewall	7/18/2017	3'	In-Situ	<0.0180	0.0180	0.242	<0.0359	<0.0180	0.260	19.9	591	<250	611	44.8
Exc. A South Sidewall	7/18/2017	3'	In-Situ	0.0916	0.311	0.0916	0.562	0.0916	1.1478	<7.55	4,250	584	4,834	52.9
Exc. A West Sidewall	7/18/2017	3'	In-Situ	<0.0197	<0.0197	<0.0197	<0.0394	<0.0197	<0.0394	<3.94	<25.0	<25.0	<25.0	<25.0
Exc. B Floor @ 3'	7/18/2017	3'	In-Situ	<0.164	1.63	<0.112	16.4	2.90	20.93	1,660	<250	317	1,977	44.7
Exc. B North Sidewall	7/18/2017	2'	In-Situ	<0.00832	0.0497	1.18	<0.00628	0.333	1.5627	89.7	3,700	571	4,360.7	306
Exc. B East Sidewall	7/18/2017	2'	In-Situ	<0.0392	0.0607	<0.0267	0.321	<0.0295	0.382	27.1	2,820	566	3,413.1	<25.0
Exc. B South Sidewall	7/18/2017	2'	Excavated	<0.0425	0.103	1.67	<0.0320	<0.0320	1.773	95.1	4,700	725	**5,520.1**	103
Exc. B West Sidewall	7/18/2017	2'	In-Situ	<0.0167	0.0222	0.251	<0.0126	<0.0126	0.2732	12.5	3,690	762	4,464.5	65.7
Exc. C Floor @ 4'	7/18/2017	4'	In-Situ	<0.0195	0.0293	0.459	<0.0391	0.135	0.6233	30.3	316	49.2	395.5	<25.0
Exc. C North Sidewall	7/18/2017	3'	In-Situ	<0.0196	0.0196	0.106	<0.0393	<0.0196	0.1256	7.06	4390	399	4,796.06	<25.0
Exc. C East Sidewall	7/18/2017	3'	In-Situ	<0.0195	0.0780	1.64	<0.0390	<0.0195	1.7180	181	284	48.7	513.7	<25.0
Exc. C South Sidewall	7/18/2017	3'	In-Situ	<0.0183	<0.0183	0.0495	<0.0367	<0.0183	0.0495	<3.67	49.2	25.3	74.5	<25.0
Exc. C West Sidewall	7/18/2017	3'	In-Situ	<0.0198	<0.0198	0.0516	<0.0397	<0.0198	0.0516	<3.97	966	236	1,202	<25.0
Exc. A TT @ 9'	8/23/2017	9'	In-Situ	0.00216	<0.00202	0.00210	0.00747	0.00585	0.01758	40.3	779	161	980.3	140
Exc. B TT @ 8'	8/23/2017	8'	In-Situ	<0.00952	<0.00952	<0.00952	<0.0190	<0.00952	<0.0190	<15.0	<15.0	<15.0	<15.0	207
Exc. B SSWb	8/23/2017	2.5'	Excavated	<0.00201	0.00848	<0.00201	<0.00402	<0.00201	0.00848	36.4	9,230	2,920	**12,186.4**	58.7
Exc. C TT @ 9'	8/23/2017	9'	In-Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<15.0	<15.0	<15.0	<15.0	33.1
N. BGT NSW	8/28/2017	13'	In-Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<15.0	<15.0	<15.0	<15.0	21.7
N. BGT ESW	8/28/2017	13'	In-Situ	<0.00201	<0.00201	<0.00201	0.00404	0.00596	0.01000	<15.0	190	53.5	243.5	61.4
N. BGT SSW	8/28/2017	13'	In-Situ	<0.0502	0.584	1.02	4.48	3.58	9.664	492	1,130	310	1,932	104
N. BGT WSW	8/28/2017	13'	In-Situ	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<15.0	<15.0	<15.0	<15.0	24.1
S. BGT NSW	8/28/2017	13'	In-Situ	<0.100	4.33	6.80	23.7	5.30	40.13	1,290	3,160	486	4,936	313
S. BGT ESW	8/28/2017	13'	Excavated	15.6	38.6	20.4	50.8	9.64	**135.04**	2,300	15,400	2,500	**20,200**	95.6
S. BGT SSW	8/28/2017	13'	In-Situ	<0.0499	<0.0499	1.04	5.78	2.96	9.78	335	577	65.5	977.5	62.2
S. BGT WSW	8/28/2017	13'	Excavated	<0.101	1.90	3.23	33.9	7.05	46.08	2,540	2,220	671	**5,431**	22.5
Exc. B SSWb	10/18/2017	2.5'	In-Situ	-	-	-	-	-	-	197	969	<250	1,166	-
S. BGT ESWb	10/18/2017	15'	In-Situ	<0.196	2.85	2.65	9.49		14.99	687	3,140	396	4,223	-
S. BGT WSWb	10/18/2017	15'	In-Situ	-	-	-	-		-	61.0	542	<250	603	-
NMOCD Recommended Remediation Action Level				**10**	**-**	**-**	**-**	**-**	**50**	**-**	**-**	**-**	**5,000**	**600**

Certificate of Analysis Summary 557913

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 West Exc A

Project Id:
Contact: Joel Lowry
Project Location:

Date Received in Lab: Tue Jul-18-17 04:40 pm
Report Date: 27-JUL-17
Project Manager: Kelsey Brooks

Analysis Requested											
	Lab Id:	557913-001		557913-002		557913-003		557913-004		557913-005	
	Field Id:	Floor 4'		North Sidewall		East Sidewall		South Sidewall		West Sidewall	
	Depth:	4 ft		3 ft		3 ft		3 ft		3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-18-17 10:05		Jul-18-17 10:10		Jul-18-17 10:15		Jul-18-17 10:20		Jul-18-17 10:25	
BTEX by EPA 8021B	***Extracted:***	Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30	
	Analyzed:	Jul-21-17 06:31		Jul-20-17 21:36		Jul-21-17 00:44		Jul-21-17 06:58		Jul-20-17 19:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		11.5	0.0388	<0.0194	0.0194	<0.0180	0.0180	0.0916	0.0398	<0.0197	0.0197
Toluene		7.71	0.0388	0.0426	0.0194	0.0180	0.0180	0.311	0.0398	<0.0197	0.0197
Ethylbenzene		4.30	0.0388	0.0233	0.0194	0.242	0.0180	0.0916	0.0398	<0.0197	0.0197
m,p-Xylenes		12.1	0.0775	0.0523	0.0388	<0.0359	0.0359	0.562	0.0797	<0.0394	0.0394
o-Xylene		2.19	0.0388	<0.0194	0.0194	<0.0180	0.0180	0.0916	0.0398	<0.0197	0.0197
Total Xylenes		14.3	0.0388	0.0523	0.0194	<0.0180	0.0180	0.654	0.0398	<0.0197	0.0197
Total BTEX		37.8	0.0388	0.118	0.0194	0.260	0.0180	1.15	0.0398	<0.0197	0.0197
Chloride by EPA 300	***Extracted:***	Jul-24-17 12:00		Jul-24-17 12:00		Jul-24-17 12:00		Jul-24-17 12:00		Jul-21-17 13:00	
	Analyzed:	Jul-24-17 17:10		Jul-24-17 17:22		Jul-24-17 17:34		Jul-24-17 17:47		Jul-24-17 12:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		81.3	25.0	222	25.0	44.8	25.0	52.9	25.0	<25.0	25.0
DRO-ORO By SW8015B	***Extracted:***	Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15	
	Analyzed:	Jul-27-17 06:56		Jul-27-17 07:29		Jul-27-17 08:02		Jul-27-17 08:35		Jul-27-17 09:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Diesel Range Organics (DRO)		1190	250	516	250	591	250	4250	250	<25.0	25.0
Oil Range Hydrocarbons (ORO)		<250	250	<250	250	<250	250	584	250	<25.0	25.0
TPH GRO by EPA 8015 Mod.	***Extracted:***	Jul-21-17 14:00		Jul-20-17 12:30		Jul-20-17 12:30		Jul-21-17 14:00		Jul-20-17 12:30	
	Analyzed:	Jul-22-17 03:57		Jul-20-17 21:36		Jul-21-17 00:44		Jul-22-17 04:25		Jul-20-17 19:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
TPH-GRO		1420	386	<3.88	3.88	19.9	3.59	<7.55	7.55	<3.94	3.94

Kelsey Brooks
Project Manager

Analytical Report 557913

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 West Exc A

27-JUL-17

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

27-JUL-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **557913**
Jal #3 West Exc A
Project Address:

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 557913. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 557913 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Floor 4'	S	07-18-17 10:05	- 4 ft	557913-001
North Sidewall	S	07-18-17 10:10	- 3 ft	557913-002
East Sidewall	S	07-18-17 10:15	- 3 ft	557913-003
South Sidewall	S	07-18-17 10:20	- 3 ft	557913-004
West Sidewall	S	07-18-17 10:25	- 3 ft	557913-005

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3022806 BTEX by EPA 8021B
Surrogate a,a,a-Trifluorotoluene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557913-004,557913-001.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3022966 TPH GRO by EPA 8015 Mod.
Sample 557913-004 was diluted due to hydrocarbons beyond xylene.

Batch: LBA-3023296 DRO-ORO By SW8015B
Surrogate Tricosane, Surrogate n-Triacontane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557913-001,557913-002,557913-003,557913-004.

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**Floor 4'**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-001	Date Collected:	07.18.17 10.05	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.24.17 12.00	Basis:	Wet Weight
Seq Number:	3023036				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**81.3**	25.0	mg/kg	07.24.17 17.10		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**1190**	250	mg/kg	07.27.17 06.56		10
Oil Range Hydrocarbons (ORO)	PHCG2835	<250	250	mg/kg	07.27.17 06.56	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	266	%	65-144	07.27.17 06.56	**
n-Triacontane	638-68-6	300	%	46-152	07.27.17 06.56	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**11.5**	0.0388	mg/kg	07.21.17 06.31		2
Toluene	108-88-3	**7.71**	0.0388	mg/kg	07.21.17 06.31		2
Ethylbenzene	100-41-4	**4.30**	0.0388	mg/kg	07.21.17 06.31		2
m,p-Xylenes	179601-23-1	**12.1**	0.0775	mg/kg	07.21.17 06.31		2
o-Xylene	95-47-6	**2.19**	0.0388	mg/kg	07.21.17 06.31		2
Total Xylenes	1330-20-7	**14.3**	0.0388	mg/kg	07.21.17 06.31		2
Total BTEX		**37.8**	0.0388	mg/kg	07.21.17 06.31		2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	68-120	07.21.17 06.31	
a,a,a-Trifluorotoluene	98-08-8	716	%	71-121	07.21.17 06.31	**

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**Floor 4'**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-001	Date Collected:	07.18.17 10.05	Sample Depth:	4 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.21.17 14.00	Basis:	Wet Weight
Seq Number:	3022966				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**1420**	386		mg/kg	07.22.17 03.57		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	76-123	07.22.17 03.57	
a,a,a-Trifluorotoluene	98-08-8	84	%	69-120	07.22.17 03.57	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**North Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-002	Date Collected:	07.18.17 10.10	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.24.17 12.00	Basis:	Wet Weight
Seq Number:	3023036				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**222**	25.0	mg/kg	07.24.17 17.22		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**516**	250	mg/kg	07.27.17 07.29		10
Oil Range Hydrocarbons (ORO)	PHCG2835	<250	250	mg/kg	07.27.17 07.29	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	202	%	65-144	07.27.17 07.29	**
n-Triacontane	638-68-6	271	%	46-152	07.27.17 07.29	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0194	0.0194	mg/kg	07.20.17 21.36	U	1
Toluene	108-88-3	**0.0426**	0.0194	mg/kg	07.20.17 21.36		1
Ethylbenzene	100-41-4	**0.0233**	0.0194	mg/kg	07.20.17 21.36		1
m,p-Xylenes	179601-23-1	**0.0523**	0.0388	mg/kg	07.20.17 21.36		1
o-Xylene	95-47-6	<0.0194	0.0194	mg/kg	07.20.17 21.36	U	1
Total Xylenes	1330-20-7	**0.0523**	0.0194	mg/kg	07.20.17 21.36		1
Total BTEX		**0.118**	0.0194	mg/kg	07.20.17 21.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	68-120	07.20.17 21.36	
a,a,a-Trifluorotoluene	98-08-8	114	%	71-121	07.20.17 21.36	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**North Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-002	Date Collected:	07.18.17 10.10	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<3.88	3.88		mg/kg	07.20.17 21.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	76-123	07.20.17 21.36	
a,a,a-Trifluorotoluene	98-08-8	112	%	69-120	07.20.17 21.36	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**East Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-003	Date Collected:	07.18.17 10.15	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.24.17 12.00	Basis:	Wet Weight
Seq Number:	3023036				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.8**	25.0	mg/kg	07.24.17 17.34		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**591**	250	mg/kg	07.27.17 08.02		10
Oil Range Hydrocarbons (ORO)	PHCG2835	<250	250	mg/kg	07.27.17 08.02	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	204	%	65-144	07.27.17 08.02	**
n-Triacontane	638-68-6	217	%	46-152	07.27.17 08.02	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0180	0.0180	mg/kg	07.21.17 00.44	U	1
Toluene	108-88-3	**0.0180**	0.0180	mg/kg	07.21.17 00.44		1
Ethylbenzene	100-41-4	**0.242**	0.0180	mg/kg	07.21.17 00.44		1
m,p-Xylenes	179601-23-1	<0.0359	0.0359	mg/kg	07.21.17 00.44	U	1
o-Xylene	95-47-6	<0.0180	0.0180	mg/kg	07.21.17 00.44	U	1
Total Xylenes	1330-20-7	<0.0180	0.0180	mg/kg	07.21.17 00.44	U	1
Total BTEX		**0.260**	0.0180	mg/kg	07.21.17 00.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	68-120	07.21.17 00.44	
a,a,a-Trifluorotoluene	98-08-8	106	%	71-121	07.21.17 00.44	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**East Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-003	Date Collected:	07.18.17 10.15	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**19.9**	3.59		mg/kg	07.21.17 00.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87	%	76-123	07.21.17 00.44	
a,a,a-Trifluorotoluene	98-08-8	102	%	69-120	07.21.17 00.44	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**South Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-004	Date Collected:	07.18.17 10.20	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.24.17 12.00	Basis:	Wet Weight
Seq Number:	3023036				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.9**	25.0	mg/kg	07.24.17 17.47		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**4250**	250	mg/kg	07.27.17 08.35		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**584**	250	mg/kg	07.27.17 08.35		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	646	%	65-144	07.27.17 08.35	**
n-Triacontane	638-68-6	1100	%	46-152	07.27.17 08.35	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.0916**	0.0398	mg/kg	07.21.17 06.58		2
Toluene	108-88-3	**0.311**	0.0398	mg/kg	07.21.17 06.58		2
Ethylbenzene	100-41-4	**0.0916**	0.0398	mg/kg	07.21.17 06.58		2
m,p-Xylenes	179601-23-1	**0.562**	0.0797	mg/kg	07.21.17 06.58		2
o-Xylene	95-47-6	**0.0916**	0.0398	mg/kg	07.21.17 06.58		2
Total Xylenes	1330-20-7	**0.654**	0.0398	mg/kg	07.21.17 06.58		2
Total BTEX		**1.15**	0.0398	mg/kg	07.21.17 06.58		2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	68-120	07.21.17 06.58	
a,a,a-Trifluorotoluene	98-08-8	131	%	71-121	07.21.17 06.58	**

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**South Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-004	Date Collected:	07.18.17 10.20	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.21.17 14.00	Basis:	Wet Weight
Seq Number:	3022966				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<7.55	7.55		mg/kg	07.22.17 04.25	U	2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	80	%	76-123	07.22.17 04.25	
a,a,a-Trifluorotoluene	98-08-8	89	%	69-120	07.22.17 04.25	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**West Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-005	Date Collected:	07.18.17 10.25	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 12.33	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	<25.0	25.0	mg/kg	07.27.17 09.08	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<25.0	25.0	mg/kg	07.27.17 09.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	106	%	65-144	07.27.17 09.08	
n-Triacontane	638-68-6	117	%	46-152	07.27.17 09.08	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0197	0.0197	mg/kg	07.20.17 19.49	U	1
Toluene	108-88-3	<0.0197	0.0197	mg/kg	07.20.17 19.49	U	1
Ethylbenzene	100-41-4	<0.0197	0.0197	mg/kg	07.20.17 19.49	U	1
m,p-Xylenes	179601-23-1	<0.0394	0.0394	mg/kg	07.20.17 19.49	U	1
o-Xylene	95-47-6	<0.0197	0.0197	mg/kg	07.20.17 19.49	U	1
Total Xylenes	1330-20-7	<0.0197	0.0197	mg/kg	07.20.17 19.49	U	1
Total BTEX		<0.0197	0.0197	mg/kg	07.20.17 19.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	112	%	68-120	07.20.17 19.49	
a,a,a-Trifluorotoluene	98-08-8	112	%	71-121	07.20.17 19.49	

Certificate of Analytical Results 557913

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc A

Sample Id:	**West Sidewall**	Matrix:	Soil	Date Received:	07.18.17 16.40
Lab Sample Id:	557913-005	Date Collected:	07.18.17 10.25	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<3.94	3.94		mg/kg	07.20.17 19.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	76-123	07.20.17 19.49	
a,a,a-Trifluorotoluene	98-08-8	111	%	69-120	07.20.17 19.49	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 557913

TRC Solutions, Inc

Jal #3 West Exc A

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Solid Date Prep: 07.21.17
MB Sample Id: 728108-1-BLK LCS Sample Id: 728108-1-BKS LCSD Sample Id: 728108-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	249	100	258	103	90-110	4	20	mg/kg	07.24.17 08:57	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023036 Matrix: Solid Date Prep: 07.24.17
MB Sample Id: 728123-1-BLK LCS Sample Id: 728123-1-BKS LCSD Sample Id: 728123-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	245	98	270	108	90-110	10	20	mg/kg	07.24.17 15:07	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557905-001 MS Sample Id: 557905-001 S MSD Sample Id: 557905-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	273	109	267	107	80-120	2	20	mg/kg	07.24.17 09:34	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557913-005 MS Sample Id: 557913-005 S MSD Sample Id: 557913-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	261	104	265	106	80-120	2	20	mg/kg	07.24.17 12:45	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023036 Matrix: Soil Date Prep: 07.24.17
Parent Sample Id: 558233-001 MS Sample Id: 558233-001 S MSD Sample Id: 558233-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	331	132	346	138	80-120	4	20	mg/kg	07.24.17 16:44	X

QC Summary 557913

TRC Solutions, Inc

Jal #3 West Exc A

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3023296 Matrix: Solid Date Prep: 07.26.17
MB Sample Id: 728282-1-BLK LCS Sample Id: 728282-1-BKS LCSD Sample Id: 728282-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	<25.0	100	103	103	88.6	89	63-139	15	20	mg/kg	07.26.17 21:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	112		115		102		65-144	%	07.26.17 21:11
n-Triacontane	127		124		114		46-152	%	07.26.17 21:11

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3022806 Matrix: Solid Date Prep: 07.20.17
MB Sample Id: 727950-1-BLK LCS Sample Id: 727950-1-BKS LCSD Sample Id: 727950-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0200	2.00	1.88	94	1.87	94	55-120	1	20	mg/kg	07.20.17 16:37	
Toluene	<0.0200	2.00	1.91	96	1.88	94	77-120	2	20	mg/kg	07.20.17 16:37	
Ethylbenzene	<0.0200	2.00	1.88	94	1.87	94	77-120	1	20	mg/kg	07.20.17 16:37	
m,p-Xylenes	<0.0400	4.00	3.77	94	3.77	94	78-120	0	20	mg/kg	07.20.17 16:37	
o-Xylene	<0.0200	2.00	1.87	94	1.85	93	78-120	1	20	mg/kg	07.20.17 16:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		96		96		68-120	%	07.20.17 16:37
a,a,a-Trifluorotoluene	97		93		95		71-121	%	07.20.17 16:37

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3022806 Matrix: Soil Date Prep: 07.20.17
Parent Sample Id: 557913-005 MS Sample Id: 557913-005 S MSD Sample Id: 557913-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0194	1.94	1.50	77	1.44	76	54-120	4	25	mg/kg	07.20.17 20:16	
Toluene	<0.0194	1.94	1.65	85	1.57	83	57-120	5	25	mg/kg	07.20.17 20:16	
Ethylbenzene	<0.0194	1.94	1.72	89	1.64	87	58-131	5	25	mg/kg	07.20.17 20:16	
m,p-Xylenes	<0.0388	3.88	3.45	89	3.29	87	62-124	5	25	mg/kg	07.20.17 20:16	
o-Xylene	<0.0194	1.94	1.70	88	1.63	86	62-124	4	25	mg/kg	07.20.17 20:16	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		102		68-120	%	07.20.17 20:16
a,a,a-Trifluorotoluene	102		103		71-121	%	07.20.17 20:16

QC Summary 557913

TRC Solutions, Inc

Jal #3 West Exc A

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022814 Matrix: Solid Date Prep: 07.20.17
MB Sample Id: 727951-1-BLK LCS Sample Id: 727951-1-BKS LCSD Sample Id: 727951-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	17.6	88	21.3	107	35-129	19	20	mg/kg	07.20.17 17:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	88		93		103		76-123	%	07.20.17 17:32
a,a,a-Trifluorotoluene	105		102		112		69-120	%	07.20.17 17:32

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022966 Matrix: Solid Date Prep: 07.21.17
MB Sample Id: 728047-1-BLK LCS Sample Id: 728047-1-BKS LCSD Sample Id: 728047-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	17.8	89	19.0	95	35-129	7	20	mg/kg	07.22.17 00:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	84		87		92		76-123	%	07.22.17 00:24
a,a,a-Trifluorotoluene	100		90		92		69-120	%	07.22.17 00:24

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022814 Matrix: Soil Date Prep: 07.20.17
Parent Sample Id: 557913-002 MS Sample Id: 557913-002 S MSD Sample Id: 557913-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<3.76	18.8	19.0	101	18.5	97	35-129	3	20	mg/kg	07.20.17 22:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		106		76-123	%	07.20.17 22:03
a,a,a-Trifluorotoluene	99		103		69-120	%	07.20.17 22:03

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022966 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557913-004 MS Sample Id: 557913-004 S MSD Sample Id: 557913-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<6.99	35.0	16.4	47	14.0	40	35-129	16	20	mg/kg	07.22.17 04:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	89		89		76-123	%	07.22.17 04:52
a,a,a-Trifluorotoluene	84		86		69-120	%	07.22.17 04:52

CHAIN OF CUSTODY

XENCO LABORATORIES

Setting the Standard since 1990

Page ___ Of ___

Revision 2016.1

Stafford, TX (281) 240-4200
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Service Center- Amarillo, TX (806)678-4514
Service Center- Hobbs, NM (575) 392-7550

www.xenco.com

Xenco Quote #: | Xenco Job #: 557913

Client / Reporting Information

Company Name / Branch: TRC Solutions
Company Address: 2057 Commerce Drive Midland TX 79703
Email: jlowry@TRCsolutions.com Phone No: 432-446-4450
Project Contact: Joel Lowry
Samplers's Name:

Project Information

Project Name/Number:
Project Location: Jal #3 West Exc. A
Invoice To: ETC c/o Rose Slade
PO Number:

Analytical Information

BTEX 8021 | TPH 8015 M Ext | Cl-

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Field Comments
1	Floor @ 4'	4'	7/18/17	10:05	S	1									001
2	North Sidewall	3		10:10											002
3	East Sidewall	3		10:15											003
4	South Sidewall	3		10:20											004
5	West Sidewall	3		10:25											005
6															
7															
8															
9															
10															

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [x] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes:

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler / Relinquished by	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Joel Lowry					
2						
3						
4						
5						

Custody Seal #: 7/18/17 5:40

Preserved where applicable

On Ice ✓ Cooler Temp. 5.0/4.9 Thermo. Corr. Factor IR-3 -0.1

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 07/18/2017 04:40:00 PM

Work Order #: 557913

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.9
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Brenda Ward Date: 07/19/2017
Brenda Ward

Checklist reviewed by: Kelsey Brooks Date: 07/19/2017
Kelsey Brooks

Certificate of Analysis Summary 557911

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 West Exc B

Project Id:
Contact: Joel Lowry
Project Location:

Date Received in Lab: Tue Jul-18-17 05:45 pm
Report Date: 27-JUL-17
Project Manager: Kelsey Brooks

Analysis Requested											
	Lab Id:	557911-001		557911-002		557911-003		557911-004		557911-005	
	Field Id:	Floor @ 3'		North Sidewall		East Sidewall		South Sidewall		West Sidewall	
	Depth:	3 ft		2 ft		2 ft		2 ft		2 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-17-17 12:00		Jul-17-17 12:05		Jul-17-17 12:10		Jul-17-17 12:15		Jul-17-17 12:20	
BTEX by EPA 8021B	***Extracted:***	Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30	
	Analyzed:	Jul-21-17 01:11		Jul-21-17 06:04		Jul-21-17 01:38		Jul-21-17 02:04		Jul-21-17 02:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.164	0.362	<0.00832	0.0184	<0.0392	0.0867	<0.0425	0.0940	<0.0167	0.0370
Toluene		1.63	0.362	0.0497	0.0184	0.0607 J	0.0867	0.103	0.0940	0.0222 J	0.0370
Ethylbenzene		<0.112	0.362	1.18	0.0184	<0.0267	0.0867	1.67	0.0940	0.251	0.0370
m,p-Xylenes		16.4	0.725	<0.00628	0.0368	0.321	0.173	<0.0320	0.188	<0.0126	0.0739
o-Xylene		2.90	0.362	0.333	0.0184	<0.0295	0.0867	<0.0320	0.0940	<0.0126	0.0370
Xylenes, Total		19.3	0.362	0.333	0.0184	0.321	0.0867	<0.0940	0.0940	<0.0370	0.0370
Total BTEX		20.9	0.362	1.56	0.0184	0.382	0.0867	1.77	0.0940	0.273	0.0370
Chloride by EPA 300	***Extracted:***	Jul-21-17 13:00		Jul-21-17 13:00		Jul-21-17 13:00		Jul-21-17 13:00		Jul-21-17 13:00	
	Analyzed:	Jul-24-17 13:10		Jul-24-17 13:22		Jul-24-17 13:35		Jul-24-17 13:47		Jul-24-17 14:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		44.7	25.0	306	25.0	<25.0	25.0	103	25.0	65.7	25.0
DRO-ORO By SW8015B	***Extracted:***	Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15	
	Analyzed:	Jul-27-17 04:10		Jul-27-17 04:43		Jul-27-17 05:17		Jul-27-17 05:50		Jul-27-17 06:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Diesel Range Organics (DRO)		<250	250	3700	250	2820	250	4700	250	3690	250
Oil Range Hydrocarbons (ORO)		317	250	571	250	566	250	725	250	762	250
TPH GRO by EPA 8015 Mod.	***Extracted:***	Jul-21-17 14:00		Jul-21-17 14:00		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30	
	Analyzed:	Jul-22-17 03:04		Jul-22-17 03:30		Jul-21-17 01:38		Jul-21-17 02:04		Jul-21-17 02:31	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
TPH-GRO		1660	200	89.7	19.6	27.1	17.3	95.1	18.8	12.5	7.39

Kelsey Brooks
Project Manager

Analytical Report 557911

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 West Exc B

27-JUL-17

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

27-JUL-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **557911**
Jal #3 West Exc B
Project Address:

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 557911. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 557911 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Floor @ 3'	S	07-17-17 12:00	- 3 ft	557911-001
North Sidewall	S	07-17-17 12:05	- 2 ft	557911-002
East Sidewall	S	07-17-17 12:10	- 2 ft	557911-003
South Sidewall	S	07-17-17 12:15	- 2 ft	557911-004
West Sidewall	S	07-17-17 12:20	- 2 ft	557911-005

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3022806 BTEX by EPA 8021B
Samples 557911-001, 557911-003, 557911-004, and 557911-005 were diluted due to excessive hydrocarbons beyond xylene.

Batch: LBA-3023296 DRO-ORO By SW8015B
Surrogate Tricosane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557911-001.
Surrogate n-Triacontane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557911-001,557911-002,557911-003,557911-004,557911-005.
Surrogate Tricosane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557911-002,557911-003,557911-004,557911-005.

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**Floor @ 3'**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-001	Date Collected:	07.17.17 12.00	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**44.7**	25.0	mg/kg	07.24.17 13.10		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	<250	250	mg/kg	07.27.17 04.10	U	10
Oil Range Hydrocarbons (ORO)	PHCG2835	**317**	250	mg/kg	07.27.17 04.10		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	17	%	65-144	07.27.17 04.10	***
n-Triacontane	638-68-6	287	%	46-152	07.27.17 04.10	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.164	0.362	0.164	mg/kg	07.21.17 01.11	U	20
Toluene	108-88-3	**1.63**	0.362	0.0848	mg/kg	07.21.17 01.11		20
Ethylbenzene	100-41-4	<0.112	0.362	0.112	mg/kg	07.21.17 01.11	U	20
m,p-Xylenes	179601-23-1	**16.4**	0.725	0.124	mg/kg	07.21.17 01.11		20
o-Xylene	95-47-6	**2.90**	0.362	0.124	mg/kg	07.21.17 01.11		20
Xylenes, Total	1330-20-7	**19.3**	0.362	0.124	mg/kg	07.21.17 01.11		20
Total BTEX		**20.9**	0.362	0.0848	mg/kg	07.21.17 01.11		20

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	68-120	07.21.17 01.11	
a,a,a-Trifluorotoluene	98-08-8	111	%	71-121	07.21.17 01.11	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**Floor @ 3'**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-001	Date Collected:	07.17.17 12.00	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.21.17 14.00	Basis:	Wet Weight
Seq Number:	3022966				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**1660**	200		mg/kg	07.22.17 03.04		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	76-123	07.22.17 03.04	
a,a,a-Trifluorotoluene	98-08-8	91	%	69-120	07.22.17 03.04	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**North Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-002	Date Collected:	07.17.17 12.05	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**306**	25.0	mg/kg	07.24.17 13.22		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**3700**	250	mg/kg	07.27.17 04.43		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**571**	250	mg/kg	07.27.17 04.43		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	716	%	65-144	07.27.17 04.43	**
n-Triacontane	638-68-6	467	%	46-152	07.27.17 04.43	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00832	0.0184	0.00832	mg/kg	07.21.17 06.04	U	1
Toluene	108-88-3	**0.0497**	0.0184	0.00431	mg/kg	07.21.17 06.04		1
Ethylbenzene	100-41-4	**1.18**	0.0184	0.00567	mg/kg	07.21.17 06.04		1
m,p-Xylenes	179601-23-1	<0.00628	0.0368	0.00628	mg/kg	07.21.17 06.04	U	1
o-Xylene	95-47-6	**0.333**	0.0184	0.00628	mg/kg	07.21.17 06.04		1
Xylenes, Total	1330-20-7	**0.333**	0.0184	0.00628	mg/kg	07.21.17 06.04		1
Total BTEX		**1.56**	0.0184	0.00431	mg/kg	07.21.17 06.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	68-120	07.21.17 06.04	
a,a,a-Trifluorotoluene	98-08-8	97	%	71-121	07.21.17 06.04	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**North Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-002	Date Collected:	07.17.17 12.05	Sample Depth:	2 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.21.17 14.00	Basis:	Wet Weight
Seq Number:	3022966				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**89.7**	19.6		mg/kg	07.22.17 03.30		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	76-123	07.22.17 03.30	
a,a,a-Trifluorotoluene	98-08-8	92	%	69-120	07.22.17 03.30	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**East Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-003	Date Collected:	07.17.17 12.10	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 13.35	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**2820**	250	mg/kg	07.27.17 05.17		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**566**	250	mg/kg	07.27.17 05.17		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	748	%	65-144	07.27.17 05.17	**
n-Triacontane	638-68-6	610	%	46-152	07.27.17 05.17	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0392	0.0867	0.0392	mg/kg	07.21.17 01.38	U	5
Toluene	108-88-3	**0.0607**	0.0867	0.0203	mg/kg	07.21.17 01.38	J	5
Ethylbenzene	100-41-4	<0.0267	0.0867	0.0267	mg/kg	07.21.17 01.38	U	5
m,p-Xylenes	179601-23-1	**0.321**	0.173	0.0295	mg/kg	07.21.17 01.38		5
o-Xylene	95-47-6	<0.0295	0.0867	0.0295	mg/kg	07.21.17 01.38	U	5
Xylenes, Total	1330-20-7	**0.321**	0.0867	0.0295	mg/kg	07.21.17 01.38		5
Total BTEX		**0.382**	0.0867	0.0203	mg/kg	07.21.17 01.38		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	68-120	07.21.17 01.38	
a,a,a-Trifluorotoluene	98-08-8	93	%	71-121	07.21.17 01.38	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**East Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-003	Date Collected:	07.17.17 12.10	Sample Depth:	2 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**27.1**	17.3		mg/kg	07.21.17 01.38		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	76-123	07.21.17 01.38	
a,a,a-Trifluorotoluene	98-08-8	94	%	69-120	07.21.17 01.38	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**South Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-004	Date Collected:	07.17.17 12.15	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	25.0	mg/kg	07.24.17 13.47		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**4700**	250	mg/kg	07.27.17 05.50		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**725**	250	mg/kg	07.27.17 05.50		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	979	%	65-144	07.27.17 05.50	**
n-Triacontane	638-68-6	821	%	46-152	07.27.17 05.50	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0425	0.0940	0.0425	mg/kg	07.21.17 02.04	U	5
Toluene	108-88-3	**0.103**	0.0940	0.0220	mg/kg	07.21.17 02.04		5
Ethylbenzene	100-41-4	**1.67**	0.0940	0.0289	mg/kg	07.21.17 02.04		5
m,p-Xylenes	179601-23-1	<0.0320	0.188	0.0320	mg/kg	07.21.17 02.04	U	5
o-Xylene	95-47-6	<0.0320	0.0940	0.0320	mg/kg	07.21.17 02.04	U	5
Xylenes, Total	1330-20-7	<0.0940	0.0940	0.0320	mg/kg	07.21.17 02.04	U	5
Total BTEX		**1.77**	0.0940	0.0220	mg/kg	07.21.17 02.04		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	68-120	07.21.17 02.04	
a,a,a-Trifluorotoluene	98-08-8	101	%	71-121	07.21.17 02.04	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**South Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-004	Date Collected:	07.17.17 12.15	Sample Depth:	2 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**95.1**	18.8		mg/kg	07.21.17 02.04		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	76-123	07.21.17 02.04	
a,a,a-Trifluorotoluene	98-08-8	95	%	69-120	07.21.17 02.04	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**West Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-005	Date Collected:	07.17.17 12.20	Sample Depth:	2 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**65.7**	25.0	mg/kg	07.24.17 14.00		1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**3690**	250	mg/kg	07.27.17 06.23		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**762**	250	mg/kg	07.27.17 06.23		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	850	%	65-144	07.27.17 06.23	**
n-Triacontane	638-68-6	1200	%	46-152	07.27.17 06.23	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0167	0.0370	0.0167	mg/kg	07.21.17 02.31	U	2
Toluene	108-88-3	**0.0222**	0.0370	0.00865	mg/kg	07.21.17 02.31	J	2
Ethylbenzene	100-41-4	**0.251**	0.0370	0.0114	mg/kg	07.21.17 02.31		2
m,p-Xylenes	179601-23-1	<0.0126	0.0739	0.0126	mg/kg	07.21.17 02.31	U	2
o-Xylene	95-47-6	<0.0126	0.0370	0.0126	mg/kg	07.21.17 02.31	U	2
Xylenes, Total	1330-20-7	<0.0370	0.0370	0.0126	mg/kg	07.21.17 02.31	U	2
Total BTEX		**0.273**	0.0370	0.00865	mg/kg	07.21.17 02.31		2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	68-120	07.21.17 02.31	
a,a,a-Trifluorotoluene	98-08-8	99	%	71-121	07.21.17 02.31	

Certificate of Analytical Results 557911

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc B

Sample Id:	**West Sidewall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557911-005	Date Collected:	07.17.17 12.20	Sample Depth:	2 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**12.5**	7.39		mg/kg	07.21.17 02.31		2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	76-123	07.21.17 02.31	
a,a,a-Trifluorotoluene	98-08-8	97	%	69-120	07.21.17 02.31	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 557911

TRC Solutions, Inc

Jal #3 West Exc B

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Solid Date Prep: 07.21.17
MB Sample Id: 728108-1-BLK LCS Sample Id: 728108-1-BKS LCSD Sample Id: 728108-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	249	100	258	103	90-110	4	20	mg/kg	07.24.17 08:57	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557905-001 MS Sample Id: 557905-001 S MSD Sample Id: 557905-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	273	109	267	107	80-120	2	20	mg/kg	07.24.17 09:34	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557913-005 MS Sample Id: 557913-005 S MSD Sample Id: 557913-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	261	104	265	106	80-120	2	20	mg/kg	07.24.17 12:45	

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3023296 Matrix: Solid Date Prep: 07.26.17
MB Sample Id: 728282-1-BLK LCS Sample Id: 728282-1-BKS LCSD Sample Id: 728282-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	<25.0	100	103	103	88.6	89	63-139	15	20	mg/kg	07.26.17 21:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	112		115		102		65-144	%	07.26.17 21:11
n-Triacontane	127		124		114		46-152	%	07.26.17 21:11

QC Summary 557911

TRC Solutions, Inc

Jal #3 West Exc B

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3022806 Matrix: Solid Date Prep: 07.20.17

MB Sample Id: 727950-1-BLK LCS Sample Id: 727950-1-BKS LCSD Sample Id: 727950-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00904	2.00	1.88	94	1.87	94	55-120	1	20	mg/kg	07.20.17 16:37	
Toluene	<0.00468	2.00	1.91	96	1.88	94	77-120	2	20	mg/kg	07.20.17 16:37	
Ethylbenzene	<0.00616	2.00	1.88	94	1.87	94	77-120	1	20	mg/kg	07.20.17 16:37	
m,p-Xylenes	<0.00682	4.00	3.77	94	3.77	94	78-120	0	20	mg/kg	07.20.17 16:37	
o-Xylene	<0.00682	2.00	1.87	94	1.85	93	78-120	1	20	mg/kg	07.20.17 16:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		96		96		68-120	%	07.20.17 16:37
a,a,a-Trifluorotoluene	97		93		95		71-121	%	07.20.17 16:37

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3022806 Matrix: Soil Date Prep: 07.20.17

Parent Sample Id: 557913-005 MS Sample Id: 557913-005 S MSD Sample Id: 557913-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00876	1.94	1.50	77	1.44	76	54-120	4	25	mg/kg	07.20.17 20:16	
Toluene	0.00986	1.94	1.65	85	1.57	83	57-120	5	25	mg/kg	07.20.17 20:16	
Ethylbenzene	<0.00597	1.94	1.72	89	1.64	87	58-131	5	25	mg/kg	07.20.17 20:16	
m,p-Xylenes	0.00789	3.88	3.45	89	3.29	87	62-124	5	25	mg/kg	07.20.17 20:16	
o-Xylene	<0.00661	1.94	1.70	88	1.63	86	62-124	4	25	mg/kg	07.20.17 20:16	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		102		68-120	%	07.20.17 20:16
a,a,a-Trifluorotoluene	102		103		71-121	%	07.20.17 20:16

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B

Seq Number: 3022814 Matrix: Solid Date Prep: 07.20.17

MB Sample Id: 727951-1-BLK LCS Sample Id: 727951-1-BKS LCSD Sample Id: 727951-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	17.6	88	21.3	107	35-129	19	20	mg/kg	07.20.17 17:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	88		93		103		76-123	%	07.20.17 17:32
a,a,a-Trifluorotoluene	105		102		112		69-120	%	07.20.17 17:32

QC Summary 557911

TRC Solutions, Inc

Jal #3 West Exc B

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022966 Matrix: Solid Date Prep: 07.21.17
MB Sample Id: 728047-1-BLK LCS Sample Id: 728047-1-BKS LCSD Sample Id: 728047-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	17.8	89	19.0	95	35-129	7	20	mg/kg	07.22.17 00:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	84		87		92		76-123	%	07.22.17 00:24
a,a,a-Trifluorotoluene	100		90		92		69-120	%	07.22.17 00:24

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022814 Matrix: Soil Date Prep: 07.20.17
Parent Sample Id: 557913-002 MS Sample Id: 557913-002 S MSD Sample Id: 557913-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<3.76	18.8	19.0	101	18.5	97	35-129	3	20	mg/kg	07.20.17 22:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		106		76-123	%	07.20.17 22:03
a,a,a-Trifluorotoluene	99		103		69-120	%	07.20.17 22:03

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022966 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557913-004 MS Sample Id: 557913-004 S MSD Sample Id: 557913-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<6.99	35.0	16.4	47	14.0	40	35-129	16	20	mg/kg	07.22.17 04:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	89		89		76-123	%	07.22.17 04:52
a,a,a-Trifluorotoluene	84		86		69-120	%	07.22.17 04:52

CHAIN OF CUSTODY

XENCO LABORATORIES

Setting the Standard since 1990

Page ___ Of ___

Revision 2016.1

Stafford, TX (281) 240-4200 | Dallas, TX (214) 902-0300 | El Paso, TX (915) 585-3443 | Lubbock, TX (806) 794-1296 | Midland, TX (432) 704-5440 | San Antonio, TX (210) 509-3334 | Phoenix, AZ (480) 355-0900 | Service Center - Baton Rouge, LA (832) 712-8143 | Service Center- Amarillo, TX (806)678-4514 | Service Center- Hobbs, NM (575) 392-7550

www.xenco.com

Xenco Quote # | Xenco Job # 557911

Client / Reporting Information

Company Name / Branch: PE Solutions
Company Address: 2057 Commerce Drive Midland, TX 79703
Email: jlaing@PESolutions.com
Phone No: 432-466-4450
Project Contact: Joel Laing
Samplers's Name:

Project Information

Project Name/Number:
Project Location: Jal #3 West Ext. B
Invoice To: ETC C/O Rose Slade
PO Number:

Analytical Information

BTEX 8021B | TPH 8015 M Ext | Cl-

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Field Comments
1	Floor @ 3'	2	7/17/17	17:00	S	1									001
2	North Sidewall	2		17:05											002
3	East Sidewall	2		17:10											003
4	South Sidewall	2		17:15											004
5	West Sidewall	2		17:20											005
6															
7															
8															
9															
10															

Turnaround Time (Business days)

- ☐ Same Day TAT
- ☐ 5 Day TAT
- ☐ Next Day EMERGENCY
- ☐ 7 Day TAT
- ☐ 2 Day EMERGENCY
- ☑ Contract TAT
- ☐ 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- ☐ Level II Std QC
- ☐ Level IV (Full Data Pkg /raw data)
- ☐ Level III Std QC+ Forms
- ☐ TRRP Level IV
- ☐ Level 3 (CLP Forms)
- ☐ UST / RG -411
- ☐ Level II Report with TRRP checklist

Notes:

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:	Relinquished By:	Date Time:	Received By:
1	Joel Laing		1	2		2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5 Brenda Waer	Custody Seal #	7/18/17 5:45	Preserved where applicable: X

On Ice: X | Cooler Temp. 4.6/4.5 | Thermo. Corr. Factor IR-3

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 07/18/2017 05:45:00 PM

Work Order #: 557911

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-3

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.5
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**Yes**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Brenda Ward Date: 07/19/2017
Brenda Ward

Checklist reviewed by: Kelsey Brooks Date: 07/19/2017
Kelsey Brooks

Certificate of Analysis Summary 557905

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 West Exc.

Project Id:

Contact: Joel Lowry

Project Location: Jal #3 West Exc.

Date Received in Lab: Tue Jul-18-17 05:45 pm

Report Date: 27-JUL-17

Project Manager: Kelsey Brooks

Analysis Requested											
	Lab Id:	557905-001		557905-002		557905-003		557905-004		557905-005	
	Field Id:	Floor @ 4'		North Side Wall		East Side Wall		South Side Wall		West Side Wall	
	Depth:	4 ft		3 ft		3 ft		3 ft		3 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jul-18-17 13:10		Jul-18-17 13:15		Jul-18-17 13:20		Jul-18-17 13:25		Jul-18-17 13:30	
BTEX by EPA 8021B	***Extracted:***	Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30		Jul-20-17 12:30	
	Analyzed:	Jul-20-17 23:24		Jul-21-17 05:37		Jul-21-17 05:11		Jul-20-17 23:51		Jul-21-17 00:18	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.0195	0.0195	<0.0196	0.0196	<0.0195	0.0195	<0.0183	0.0183	<0.0198	0.0198
Toluene		0.0293	0.0195	0.0196	0.0196	0.0780	0.0195	<0.0183	0.0183	<0.0198	0.0198
Ethylbenzene		0.459	0.0195	0.106	0.0196	1.64	0.0195	0.0495	0.0183	0.0516	0.0198
m,p-Xylenes		<0.0391	0.0391	<0.0393	0.0393	<0.0390	0.0390	<0.0367	0.0367	<0.0397	0.0397
o-Xylene		0.135	0.0195	<0.0196	0.0196	<0.0195	0.0195	<0.0183	0.0183	<0.0198	0.0198
Total Xylenes		0.135	0.0195	<0.0196	0.0196	<0.0195	0.0195	<0.0183	0.0183	<0.0198	0.0198
Total BTEX		0.623	0.0195	0.126	0.0196	1.72	0.0195	0.0495	0.0183	0.0516	0.0198
Chloride by EPA 300	***Extracted:***	Jul-21-17 13:00		Jul-21-17 13:00		Jul-21-17 13:00		Jul-21-17 13:00		Jul-21-17 13:00	
	Analyzed:	Jul-24-17 09:22		Jul-24-17 09:59		Jul-24-17 10:12		Jul-24-17 10:24		Jul-24-17 10:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<25.0	25.0	<25.0	25.0	<25.0	25.0	<25.0	25.0	<25.0	25.0
DRO-ORO By SW8015B	***Extracted:***	Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15		Jul-26-17 16:15	
	Analyzed:	Jul-27-17 01:20		Jul-27-17 10:14		Jul-27-17 02:29		Jul-27-17 03:03		Jul-27-17 03:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Diesel Range Organics (DRO)		316	25.0	4390	250	284	25.0	49.2	25.0	966	25.0
Oil Range Hydrocarbons (ORO)		49.2	25.0	399	250	48.7	25.0	25.3	25.0	236	25.0
TPH GRO by EPA 8015 Mod.	***Extracted:***	Jul-20-17 12:30		Jul-20-17 12:30		Jul-21-17 14:00		Jul-20-17 12:30		Jul-20-17 12:30	
	Analyzed:	Jul-20-17 23:24		Jul-21-17 05:37		Jul-22-17 02:37		Jul-20-17 23:51		Jul-21-17 00:18	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
TPH-GRO		30.3	3.91	7.06	3.93	181	19.4	<3.67	3.67	<3.97	3.97

Kelsey Brooks
Project Manager

Analytical Report 557905

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 West Exc.

27-JUL-17

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

27-JUL-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **557905**
Jal #3 West Exc.
Project Address: Jal #3 West Exc.

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 557905. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 557905 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Floor @ 4'	S	07-18-17 13:10	- 4 ft	557905-001
North Side Wall	S	07-18-17 13:15	- 3 ft	557905-002
East Side Wall	S	07-18-17 13:20	- 3 ft	557905-003
South Side Wall	S	07-18-17 13:25	- 3 ft	557905-004
West Side Wall	S	07-18-17 13:30	- 3 ft	557905-005

Client Name: TRC Solutions, Inc
Project Name: Jal #3 West Exc.

Project ID:
Work Order Number(s): *557905*

Report Date: *27-JUL-17*
Date Received: *07/18/2017*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-3022806 BTEX by EPA 8021B
Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557905-003.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3023296 DRO-ORO By SW8015B
Surrogate Tricosane, Surrogate n-Triacontane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 557905-002,557905-005.
Matrix spikes were ran with batch but could not be reported due to different report method.

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**Floor @ 4'**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-001	Date Collected:	07.18.17 13.10	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 09.22	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**316**	25.0	mg/kg	07.27.17 01.20		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**49.2**	25.0	mg/kg	07.27.17 01.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	123	%	65-144	07.27.17 01.20	
n-Triacontane	638-68-6	140	%	46-152	07.27.17 01.20	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0195	0.0195	mg/kg	07.20.17 23.24	U	1
Toluene	108-88-3	**0.0293**	0.0195	mg/kg	07.20.17 23.24		1
Ethylbenzene	100-41-4	**0.459**	0.0195	mg/kg	07.20.17 23.24		1
m,p-Xylenes	179601-23-1	<0.0391	0.0391	mg/kg	07.20.17 23.24	U	1
o-Xylene	95-47-6	**0.135**	0.0195	mg/kg	07.20.17 23.24		1
Total Xylenes	1330-20-7	**0.135**	0.0195	mg/kg	07.20.17 23.24		1
Total BTEX		**0.623**	0.0195	mg/kg	07.20.17 23.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	68-120	07.20.17 23.24	
a,a,a-Trifluorotoluene	98-08-8	106	%	71-121	07.20.17 23.24	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**Floor @ 4'**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-001	Date Collected:	07.18.17 13.10	Sample Depth:	4 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**30.3**	3.91		mg/kg	07.20.17 23.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	76-123	07.20.17 23.24	
a,a,a-Trifluorotoluene	98-08-8	102	%	69-120	07.20.17 23.24	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**North Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-002	Date Collected:	07.18.17 13.15	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 09.59	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**4390**	250	mg/kg	07.27.17 10.14		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**399**	250	mg/kg	07.27.17 10.14		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	887	%	65-144	07.27.17 10.14	**
n-Triacontane	638-68-6	665	%	46-152	07.27.17 10.14	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0196	0.0196	mg/kg	07.21.17 05.37	U	1
Toluene	108-88-3	**0.0196**	0.0196	mg/kg	07.21.17 05.37		1
Ethylbenzene	100-41-4	**0.106**	0.0196	mg/kg	07.21.17 05.37		1
m,p-Xylenes	179601-23-1	<0.0393	0.0393	mg/kg	07.21.17 05.37	U	1
o-Xylene	95-47-6	<0.0196	0.0196	mg/kg	07.21.17 05.37	U	1
Total Xylenes	1330-20-7	<0.0196	0.0196	mg/kg	07.21.17 05.37	U	1
Total BTEX		**0.126**	0.0196	mg/kg	07.21.17 05.37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	68-120	07.21.17 05.37	
a,a,a-Trifluorotoluene	98-08-8	95	%	71-121	07.21.17 05.37	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**North Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-002	Date Collected:	07.18.17 13.15	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**7.06**	3.93		mg/kg	07.21.17 05.37		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	76-123	07.21.17 05.37	
a,a,a-Trifluorotoluene	98-08-8	98	%	69-120	07.21.17 05.37	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**East Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-003	Date Collected:	07.18.17 13.20	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 10.12	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**284**	25.0	mg/kg	07.27.17 02.29		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**48.7**	25.0	mg/kg	07.27.17 02.29		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	144	%	65-144	07.27.17 02.29	
n-Triacontane	638-68-6	151	%	46-152	07.27.17 02.29	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0195	0.0195	mg/kg	07.21.17 05.11	U	1
Toluene	108-88-3	**0.0780**	0.0195	mg/kg	07.21.17 05.11		1
Ethylbenzene	100-41-4	**1.64**	0.0195	mg/kg	07.21.17 05.11		1
m,p-Xylenes	179601-23-1	<0.0390	0.0390	mg/kg	07.21.17 05.11	U	1
o-Xylene	95-47-6	<0.0195	0.0195	mg/kg	07.21.17 05.11	U	1
Total Xylenes	1330-20-7	<0.0195	0.0195	mg/kg	07.21.17 05.11	U	1
Total BTEX		**1.72**	0.0195	mg/kg	07.21.17 05.11		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	189	%	68-120	07.21.17 05.11	**
a,a,a-Trifluorotoluene	98-08-8	110	%	71-121	07.21.17 05.11	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**East Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-003	Date Collected:	07.18.17 13.20	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.21.17 14.00	Basis:	Wet Weight
Seq Number:	3022966				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**181**	19.4		mg/kg	07.22.17 02.37		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	76-123	07.22.17 02.37	
a,a,a-Trifluorotoluene	98-08-8	97	%	69-120	07.22.17 02.37	

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TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**South Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-004	Date Collected:	07.18.17 13.25	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 10.24	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**49.2**	25.0	mg/kg	07.27.17 03.03		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**25.3**	25.0	mg/kg	07.27.17 03.03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	113	%	65-144	07.27.17 03.03	
n-Triacontane	638-68-6	137	%	46-152	07.27.17 03.03	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0183	0.0183	mg/kg	07.20.17 23.51	U	1
Toluene	108-88-3	<0.0183	0.0183	mg/kg	07.20.17 23.51	U	1
Ethylbenzene	100-41-4	**0.0495**	0.0183	mg/kg	07.20.17 23.51		1
m,p-Xylenes	179601-23-1	<0.0367	0.0367	mg/kg	07.20.17 23.51	U	1
o-Xylene	95-47-6	<0.0183	0.0183	mg/kg	07.20.17 23.51	U	1
Total Xylenes	1330-20-7	<0.0183	0.0183	mg/kg	07.20.17 23.51	U	1
Total BTEX		**0.0495**	0.0183	mg/kg	07.20.17 23.51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	68-120	07.20.17 23.51	
a,a,a-Trifluorotoluene	98-08-8	99	%	71-121	07.20.17 23.51	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**South Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-004	Date Collected:	07.18.17 13.25	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<3.67	3.67		mg/kg	07.20.17 23.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	76-123	07.20.17 23.51	
a,a,a-Trifluorotoluene	98-08-8	98	%	69-120	07.20.17 23.51	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**West Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-005	Date Collected:	07.18.17 13.30	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	RNL			% Moisture:	
Analyst:	RNL	Date Prep:	07.21.17 13.00	Basis:	Wet Weight
Seq Number:	3023006				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<25.0	25.0	mg/kg	07.24.17 10.36	U	1

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	07.26.17 16.15	Basis:	Wet Weight
Seq Number:	3023296				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**966**	25.0	mg/kg	07.27.17 03.36		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**236**	25.0	mg/kg	07.27.17 03.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	305	%	65-144	07.27.17 03.36	**
n-Triacontane	638-68-6	357	%	46-152	07.27.17 03.36	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022806				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0198	0.0198	mg/kg	07.21.17 00.18	U	1
Toluene	108-88-3	<0.0198	0.0198	mg/kg	07.21.17 00.18	U	1
Ethylbenzene	100-41-4	**0.0516**	0.0198	mg/kg	07.21.17 00.18		1
m,p-Xylenes	179601-23-1	<0.0397	0.0397	mg/kg	07.21.17 00.18	U	1
o-Xylene	95-47-6	<0.0198	0.0198	mg/kg	07.21.17 00.18	U	1
Total Xylenes	1330-20-7	<0.0198	0.0198	mg/kg	07.21.17 00.18	U	1
Total BTEX		**0.0516**	0.0198	mg/kg	07.21.17 00.18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	68-120	07.21.17 00.18	
a,a,a-Trifluorotoluene	98-08-8	108	%	71-121	07.21.17 00.18	

Certificate of Analytical Results 557905

TRC Solutions, Inc, Midland, TX

Jal #3 West Exc.

Sample Id:	**West Side Wall**	Matrix:	Soil	Date Received:	07.18.17 17.45
Lab Sample Id:	557905-005	Date Collected:	07.18.17 13.30	Sample Depth:	3 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	07.20.17 12.30	Basis:	Wet Weight
Seq Number:	3022814				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	<3.97	3.97		mg/kg	07.21.17 00.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	76-123	07.21.17 00.18	
a,a,a-Trifluorotoluene	98-08-8	105	%	69-120	07.21.17 00.18	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 557905

TRC Solutions, Inc

Jal #3 West Exc.

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Solid Date Prep: 07.21.17
MB Sample Id: 728108-1-BLK LCS Sample Id: 728108-1-BKS LCSD Sample Id: 728108-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	249	100	258	103	90-110	4	20	mg/kg	07.24.17 08:57	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557905-001 MS Sample Id: 557905-001 S MSD Sample Id: 557905-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	273	109	267	107	80-120	2	20	mg/kg	07.24.17 09:34	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3023006 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557913-005 MS Sample Id: 557913-005 S MSD Sample Id: 557913-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<25.0	250	261	104	265	106	80-120	2	20	mg/kg	07.24.17 12:45	

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P
Seq Number: 3023296 Matrix: Solid Date Prep: 07.26.17
MB Sample Id: 728282-1-BLK LCS Sample Id: 728282-1-BKS LCSD Sample Id: 728282-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	<25.0	100	103	103	88.6	89	63-139	15	20	mg/kg	07.26.17 21:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	112		115		102		65-144	%	07.26.17 21:11
n-Triacontane	127		124		114		46-152	%	07.26.17 21:11

QC Summary 557905

TRC Solutions, Inc

Jal #3 West Exc.

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3022806 Matrix: Solid Date Prep: 07.20.17
MB Sample Id: 727950-1-BLK LCS Sample Id: 727950-1-BKS LCSD Sample Id: 727950-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0200	2.00	1.88	94	1.87	94	55-120	1	20	mg/kg	07.20.17 16:37	
Toluene	<0.0200	2.00	1.91	96	1.88	94	77-120	2	20	mg/kg	07.20.17 16:37	
Ethylbenzene	<0.0200	2.00	1.88	94	1.87	94	77-120	1	20	mg/kg	07.20.17 16:37	
m,p-Xylenes	<0.0400	4.00	3.77	94	3.77	94	78-120	0	20	mg/kg	07.20.17 16:37	
o-Xylene	<0.0200	2.00	1.87	94	1.85	93	78-120	1	20	mg/kg	07.20.17 16:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	97		96		96		68-120	%	07.20.17 16:37
a,a,a-Trifluorotoluene	97		93		95		71-121	%	07.20.17 16:37

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3022806 Matrix: Soil Date Prep: 07.20.17
Parent Sample Id: 557913-005 MS Sample Id: 557913-005 S MSD Sample Id: 557913-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0194	1.94	1.50	77	1.44	76	54-120	4	25	mg/kg	07.20.17 20:16	
Toluene	<0.0194	1.94	1.65	85	1.57	83	57-120	5	25	mg/kg	07.20.17 20:16	
Ethylbenzene	<0.0194	1.94	1.72	89	1.64	87	58-131	5	25	mg/kg	07.20.17 20:16	
m,p-Xylenes	<0.0388	3.88	3.45	89	3.29	87	62-124	5	25	mg/kg	07.20.17 20:16	
o-Xylene	<0.0194	1.94	1.70	88	1.63	86	62-124	4	25	mg/kg	07.20.17 20:16	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		102		68-120	%	07.20.17 20:16
a,a,a-Trifluorotoluene	102		103		71-121	%	07.20.17 20:16

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022814 Matrix: Solid Date Prep: 07.20.17
MB Sample Id: 727951-1-BLK LCS Sample Id: 727951-1-BKS LCSD Sample Id: 727951-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	17.6	88	21.3	107	35-129	19	20	mg/kg	07.20.17 17:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	88		93		103		76-123	%	07.20.17 17:32
a,a,a-Trifluorotoluene	105		102		112		69-120	%	07.20.17 17:32

QC Summary 557905

TRC Solutions, Inc

Jal #3 West Exc.

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022966 Matrix: Solid Date Prep: 07.21.17
MB Sample Id: 728047-1-BLK LCS Sample Id: 728047-1-BKS LCSD Sample Id: 728047-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	17.8	89	19.0	95	35-129	7	20	mg/kg	07.22.17 00:24	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	84		87		92		76-123	%	07.22.17 00:24
a,a,a-Trifluorotoluene	100		90		92		69-120	%	07.22.17 00:24

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022814 Matrix: Soil Date Prep: 07.20.17
Parent Sample Id: 557913-002 MS Sample Id: 557913-002 S MSD Sample Id: 557913-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<3.76	18.8	19.0	101	18.5	97	35-129	3	20	mg/kg	07.20.17 22:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	99		106		76-123	%	07.20.17 22:03
a,a,a-Trifluorotoluene	99		103		69-120	%	07.20.17 22:03

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B
Seq Number: 3022966 Matrix: Soil Date Prep: 07.21.17
Parent Sample Id: 557913-004 MS Sample Id: 557913-004 S MSD Sample Id: 557913-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<6.99	35.0	16.4	47	14.0	40	35-129	16	20	mg/kg	07.22.17 04:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	89		89		76-123	%	07.22.17 04:52
a,a,a-Trifluorotoluene	84		86		69-120	%	07.22.17 04:52

XENCO LABORATORIES

Setting the Standard since 1990

CHAIN OF CUSTODY

Page ___ Of ___

Revision 2016.1

Stafford, TX (281) 240-4200
Dallas, TX (214) 902-0300

El Paso, TX (915) 585-3443
Lubbock, TX (806) 794-1296

Midland, TX (432) 704-5440
San Antonio, TX (210) 509-3334

Phoenix, AZ (480) 355-0900
Service Center - Baton Rouge, LA (832) 712-8143

Service Center- Amarillo, TX (806)678-4514
Service Center- Hobbs, NM (575) 392-7550

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Xenco Quote #

Xenco Job # 557905

Client / Reporting Information

Company Name / Branch: TRE Solutions

Company Address: 2057 Commerce Drive, Midland, TX 79703

Email: jlowry@TRESolutions.com

Phone No: 432-466-4450

Project Contact: Joel Lowry

Samplers's Name:

Project Information

Project Name/Number:

Project Location: Sal #3 West Exc. C

Invoice To: ETC C/O Rose Slade

PO Number:

Analytical Information: BTEX 8021B; TPH 8015 M Ext; Cl

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	BTEX 8021B	TPH 8015 M Ext	Cl	Field Comments
1	Floor @ 4'	4'	7/18/17	13:10	S	1												
2	North Sidewall	3	↓	13:15	↓	↓												
3	East Sidewall	3	↓	13:20	↓	↓												
4	South Sidewall	3	↓	13:25	↓	↓												
5	West Sidewall	3	↓	13:30	↓	↓												
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] Next Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 3 Day EMERGENCY
- [ ] 5 Day TAT
- [ ] 7 Day TAT
- [x] Contract TAT

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level III Std QC+ Forms
- [ ] Level 3 (CLP Forms)
- [ ] Level II Report with TRRP checklist
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] TRRP Level IV
- [ ] UST / RG -411

Notes:

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	Date Time	Received By	Relinquished By	Date Time	Received By
1 Relinquished by Sampler: Joel Lowry	Date Time:	Received By: 1	Relinquished By: 2	Date Time:	Received By: 2
3 Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5 Relinquished by:	Date Time:	~~Received By:~~ 5 Brenda Ward	~~Custody Seal #~~ 7/18/17 5:45	Preserved where applicable	On Ice: X; Cooler Temp.: 4.6/4.5; Thermo. Corr. Factor: IR 3 -0.1

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 07/18/2017 05:45:00 PM

Work Order #: 557905

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-3

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.5
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brenda Ward Date: 07/19/2017
Brenda Ward

Checklist reviewed by: Kelsey Brooks Date: 07/19/2017
Kelsey Brooks

Certificate of Analysis Summary 561286

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 Field Scrubbers (Open Excavations)

Project Id:

Contact: Joel Lowry

Project Location: Lea County NM

Date Received in Lab: Fri Aug-25-17 02:00 pm

Report Date: 31-AUG-17

Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	561286-001		561286-002		561286-003		561286-004					
	Field Id:	Exc. A TT @9		Exc. B TT @8		Exc. B SSWB		Exc. C TT @9					
	Depth:	9-0 ft		8-0 ft		7-5 ft		9-0 ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Aug-23-17 10:10		Aug-23-17 10:30		Aug-23-17 10:35		Aug-23-17 10:52					
BTEX by EPA 8021B	***Extracted:***	Aug-28-17 16:00		Aug-29-17 09:00		Aug-30-17 08:00		Aug-28-17 16:00					
	Analyzed:	Aug-28-17 23:54		Aug-29-17 19:27		Aug-30-17 13:56		Aug-29-17 00:13					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		0.00216	0.00202	<0.00952	0.00952	<0.00201	0.00201	<0.00202	0.00202				
Toluene		<0.00202	0.00202	<0.00952	0.00952	0.00848	0.00201	<0.00202	0.00202				
Ethylbenzene		0.00210	0.00202	<0.00952	0.00952	<0.00201	0.00201	<0.00202	0.00202				
m,p-Xylenes		0.00747	0.00404	<0.0190	0.0190	<0.00402	0.00402	<0.00404	0.00404				
o-Xylene		0.00585	0.00202	<0.00952	0.00952	<0.00201	0.00201	<0.00202	0.00202				
Total Xylenes		0.01332	0.00202	<0.00952	0.00952	<0.00201	0.00201	<0.00202	0.00202				
Total BTEX		0.01758	0.00202	<0.00952	0.00952	0.00848	0.00201	<0.00202	0.00202				
Chloride by EPA 300	***Extracted:***	Aug-29-17 16:15		Aug-29-17 16:15		Aug-29-17 16:15		Aug-29-17 16:15					
	Analyzed:	Aug-30-17 01:09		Aug-30-17 01:20		Aug-30-17 00:28		Aug-30-17 00:38					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		140	4.99	207	4.90	58.7	5.00	33.1	4.97				
TPH by SW8015 Mod	***Extracted:***	Aug-25-17 17:00		Aug-25-17 17:00		Aug-25-17 17:00		Aug-25-17 17:00					
	Analyzed:	Aug-26-17 15:18		Aug-26-17 00:25		Aug-26-17 15:38		Aug-26-17 01:06					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		40.3	15.0	<15.0	15.0	36.4	14.9	<15.0	15.0				
Diesel Range Organics (DRO)		779	15.0	<15.0	15.0	9230	14.9	<15.0	15.0				
Oil Range Hydrocarbons (ORO)		161	15.0	<15.0	15.0	2920	14.9	<15.0	15.0				
Total TPH		980.3	15	<15	15	12186.4	14.9	<15	15				

Kelsey Brooks
Project Manager

Analytical Report 561286

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 Field Scrubbers (Open Excavations)

31-AUG-17

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

31-AUG-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **561286**
Jal #3 Field Scrubbers (Open Excavations)
Project Address: Lea County NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 561286. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 561286 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Exc. A TT @9	S	08-23-17 10:10	9 - 0 ft	561286-001
Exc. B TT @8	S	08-23-17 10:30	8 - 0 ft	561286-002
Exc. B SSWB	S	08-23-17 10:35	7 - 5 ft	561286-003
Exc. C TT @9	S	08-23-17 10:52	9 - 0 ft	561286-004

Client Name: TRC Solutions, Inc

Project Name: Jal #3 Field Scrubbers (Open Excavations)

Project ID:
Work Order Number(s): *561286*

Report Date: *31-AUG-17*
Date Received: *08/25/2017*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3026156 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3026246 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3026250 BTEX by EPA 8021B
Surrogate 4-Bromofluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 561286-003.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. A TT @9**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-001	Date Collected:	08.23.17 10.10	Sample Depth:	9 - 0 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	08.29.17 16.15	Basis:	Wet Weight
Seq Number:	3026248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**140**	4.99	mg/kg	08.30.17 01.09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.25.17 17.00	Basis:	Wet Weight
Seq Number:	3026104				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**40.3**	15.0	mg/kg	08.26.17 15.18		1
Diesel Range Organics (DRO)	C10C28DRO	**779**	15.0	mg/kg	08.26.17 15.18		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**161**	15.0	mg/kg	08.26.17 15.18		1
Total TPH	PHC635	**980.3**	15	mg/kg	08.26.17 15.18		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	08.26.17 15.18	
o-Terphenyl	84-15-1	98	%	70-135	08.26.17 15.18	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. A TT @9**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-001	Date Collected:	08.23.17 10.10	Sample Depth:	9 - 0 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	08.28.17 16.00	Basis:	Wet Weight
Seq Number:	3026156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**0.00216**	0.00202	mg/kg	08.28.17 23.54		1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.28.17 23.54	U	1
Ethylbenzene	100-41-4	**0.00210**	0.00202	mg/kg	08.28.17 23.54		1
m,p-Xylenes	179601-23-1	**0.00747**	0.00404	mg/kg	08.28.17 23.54		1
o-Xylene	95-47-6	**0.00585**	0.00202	mg/kg	08.28.17 23.54		1
Total Xylenes	1330-20-7	**0.01332**	0.00202	mg/kg	08.28.17 23.54		1
Total BTEX		**0.01758**	0.00202	mg/kg	08.28.17 23.54		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	80-120	08.28.17 23.54	
4-Bromofluorobenzene	460-00-4	81	%	80-120	08.28.17 23.54	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. B TT @8**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-002	Date Collected:	08.23.17 10.30	Sample Depth:	8 - 0 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	08.29.17 16.15	Basis:	Wet Weight
Seq Number:	3026248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**207**	4.90	mg/kg	08.30.17 01.20		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.25.17 17.00	Basis:	Wet Weight
Seq Number:	3026104				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	08.26.17 00.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	08.26.17 00.25	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	08.26.17 00.25	U	1
Total TPH	PHC635	<15	15	mg/kg	08.26.17 00.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	08.26.17 00.25	
o-Terphenyl	84-15-1	112	%	70-135	08.26.17 00.25	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. B TT @8**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-002	Date Collected:	08.23.17 10.30	Sample Depth:	8 - 0 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	08.29.17 09.00	Basis:	Wet Weight
Seq Number:	3026246				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00952	0.00952	mg/kg	08.29.17 19.27	U	1
Toluene	108-88-3	<0.00952	0.00952	mg/kg	08.29.17 19.27	U	1
Ethylbenzene	100-41-4	<0.00952	0.00952	mg/kg	08.29.17 19.27	U	1
m,p-Xylenes	179601-23-1	<0.0190	0.0190	mg/kg	08.29.17 19.27	U	1
o-Xylene	95-47-6	<0.00952	0.00952	mg/kg	08.29.17 19.27	U	1
Total Xylenes	1330-20-7	<0.00952	0.00952	mg/kg	08.29.17 19.27	U	1
Total BTEX		<0.00952	0.00952	mg/kg	08.29.17 19.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	80-120	08.29.17 19.27	
4-Bromofluorobenzene	460-00-4	89	%	80-120	08.29.17 19.27	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. B SSWB**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-003	Date Collected:	08.23.17 10.35	Sample Depth:	7 - 5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	08.29.17 16.15	Basis:	Wet Weight
Seq Number:	3026248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**58.7**	5.00	mg/kg	08.30.17 00.28		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.25.17 17.00	Basis:	Wet Weight
Seq Number:	3026104				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**36.4**	14.9	mg/kg	08.26.17 15.38		1
Diesel Range Organics (DRO)	C10C28DRO	**9230**	14.9	mg/kg	08.26.17 15.38		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**2920**	14.9	mg/kg	08.26.17 15.38		1
Total TPH	PHC635	**12186.4**	14.9	mg/kg	08.26.17 15.38		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	08.26.17 15.38	
o-Terphenyl	84-15-1	97	%	70-135	08.26.17 15.38	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. B SSWB**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-003	Date Collected:	08.23.17 10.35	Sample Depth:	7 - 5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	08.30.17 08.00	Basis:	Wet Weight
Seq Number:	3026250				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	08.30.17 13.56	U	1
Toluene	108-88-3	**0.00848**	0.00201	mg/kg	08.30.17 13.56		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	08.30.17 13.56	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	08.30.17 13.56	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	08.30.17 13.56	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	08.30.17 13.56	U	1
Total BTEX		**0.00848**	0.00201	mg/kg	08.30.17 13.56		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	70	%	80-120	08.30.17 13.56	**
1,4-Difluorobenzene	540-36-3	111	%	80-120	08.30.17 13.56	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. C TT @9**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-004	Date Collected:	08.23.17 10.52	Sample Depth:	9 - 0 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	08.29.17 16.15	Basis:	Wet Weight
Seq Number:	3026248				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**33.1**	4.97	mg/kg	08.30.17 00.38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.25.17 17.00	Basis:	Wet Weight
Seq Number:	3026104				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	08.26.17 01.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	08.26.17 01.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	08.26.17 01.06	U	1
Total TPH	PHC635	<15	15	mg/kg	08.26.17 01.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	08.26.17 01.06	
o-Terphenyl	84-15-1	95	%	70-135	08.26.17 01.06	

Certificate of Analytical Results 561286

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (Open Excavations)

Sample Id:	**Exc. C TT @9**	Matrix:	Soil	Date Received:	08.25.17 14.00
Lab Sample Id:	561286-004	Date Collected:	08.23.17 10.52	Sample Depth:	9 - 0 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	08.28.17 16.00	Basis:	Wet Weight
Seq Number:	3026156				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	08.29.17 00.13	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	08.29.17 00.13	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	08.29.17 00.13	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	08.29.17 00.13	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	08.29.17 00.13	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	08.29.17 00.13	U	1
Total BTEX		<0.00202	0.00202	mg/kg	08.29.17 00.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	80-120	08.29.17 00.13	
1,4-Difluorobenzene	540-36-3	95	%	80-120	08.29.17 00.13	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

	Phone	Fax
4147 Greenbriar Dr, Stafford, TX 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
1211 W Florida Ave, Midland, TX 79701	(432) 563-1800	(432) 563-1713
2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282	(602) 437-0330	

QC Summary 561286

TRC Solutions, Inc

Jal #3 Field Scrubbers (Open Excavations)

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026248 Matrix: Solid Date Prep: 08.29.17
MB Sample Id: 730075-1-BLK LCS Sample Id: 730075-1-BKS LCSD Sample Id: 730075-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	247	99	247	99	90-110	0	20	mg/kg	08.29.17 20:19	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026248 Matrix: Soil Date Prep: 08.29.17
Parent Sample Id: 560863-007 MS Sample Id: 560863-007 S MSD Sample Id: 560863-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	998	247	1220	90	1200	82	90-110	2	20	mg/kg	08.29.17 23:15	X

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026248 Matrix: Soil Date Prep: 08.29.17
Parent Sample Id: 561383-021 MS Sample Id: 561383-021 S MSD Sample Id: 561383-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1290	245	1560	110	1560	110	90-110	0	20	mg/kg	08.29.17 20:50	

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026104 Matrix: Solid Date Prep: 08.25.17
MB Sample Id: 730028-1-BLK LCS Sample Id: 730028-1-BKS LCSD Sample Id: 730028-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1180	118	974	97	70-135	19	35	mg/kg	08.25.17 18:40	
Diesel Range Organics (DRO)	<15.0	1000	1210	121	1130	113	70-135	7	35	mg/kg	08.25.17 18:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	110		120		108		70-135	%	08.25.17 18:40
o-Terphenyl	105		113		102		70-135	%	08.25.17 18:40

QC Summary 561286

TRC Solutions, Inc

Jal #3 Field Scrubbers (Open Excavations)

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026104 Matrix: Soil Date Prep: 08.25.17
Parent Sample Id: 561229-001 MS Sample Id: 561229-001 S MSD Sample Id: 561229-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	1100	110	1090	109	70-135	1	35	mg/kg	08.25.17 19:40	
Diesel Range Organics (DRO)	124	999	1210	109	1170	105	70-135	3	35	mg/kg	08.25.17 19:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		114		70-135	%	08.25.17 19:40
o-Terphenyl	104		99		70-135	%	08.25.17 19:40

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3026156 Matrix: Solid Date Prep: 08.28.17
MB Sample Id: 730048-1-BLK LCS Sample Id: 730048-1-BKS LCSD Sample Id: 730048-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.116	117	0.119	119	70-130	3	35	mg/kg	08.28.17 20:28	
Toluene	<0.00199	0.0994	0.113	114	0.115	115	70-130	2	35	mg/kg	08.28.17 20:28	
Ethylbenzene	<0.00199	0.0994	0.112	113	0.114	114	71-129	2	35	mg/kg	08.28.17 20:28	
m,p-Xylenes	<0.00398	0.199	0.220	111	0.225	113	70-135	2	35	mg/kg	08.28.17 20:28	
o-Xylene	<0.00199	0.0994	0.106	107	0.109	109	71-133	3	35	mg/kg	08.28.17 20:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		97		97		80-120	%	08.28.17 20:28
4-Bromofluorobenzene	80		91		87		80-120	%	08.28.17 20:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3026246 Matrix: Solid Date Prep: 08.29.17
MB Sample Id: 730100-1-BLK LCS Sample Id: 730100-1-BKS LCSD Sample Id: 730100-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.115	115	0.120	119	70-130	4	35	mg/kg	08.29.17 09:19	
Toluene	<0.00201	0.100	0.113	113	0.118	117	70-130	4	35	mg/kg	08.29.17 09:19	
Ethylbenzene	<0.00201	0.100	0.114	114	0.120	119	71-129	5	35	mg/kg	08.29.17 09:19	
m,p-Xylenes	<0.00402	0.201	0.224	111	0.236	117	70-135	5	35	mg/kg	08.29.17 09:19	
o-Xylene	<0.00201	0.100	0.108	108	0.114	113	71-133	5	35	mg/kg	08.29.17 09:19	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		93		93		80-120	%	08.29.17 09:19
4-Bromofluorobenzene	84		90		90		80-120	%	08.29.17 09:19

QC Summary 561286

TRC Solutions, Inc

Jal #3 Field Scrubbers (Open Excavations)

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3026250 | Matrix: Solid | Date Prep: 08.30.17
MB Sample Id: 730108-1-BLK | LCS Sample Id: 730108-1-BKS | LCSD Sample Id: 730108-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.116	116	0.114	114	70-130	2	35	mg/kg	08.30.17 10:00	
Toluene	<0.00200	0.0998	0.114	114	0.112	112	70-130	2	35	mg/kg	08.30.17 10:00	
Ethylbenzene	<0.00200	0.0998	0.115	115	0.113	113	71-129	2	35	mg/kg	08.30.17 10:00	
m,p-Xylenes	<0.00399	0.200	0.225	113	0.221	110	70-135	2	35	mg/kg	08.30.17 10:00	
o-Xylene	<0.00200	0.0998	0.109	109	0.107	107	71-133	2	35	mg/kg	08.30.17 10:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		91		84		80-120	%	08.30.17 10:00
4-Bromofluorobenzene	84		87		80		80-120	%	08.30.17 10:00

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3026156 | Matrix: Soil | Date Prep: 08.28.17
Parent Sample Id: 561227-001 | MS Sample Id: 561227-001 S | MSD Sample Id: 561227-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.100	99	0.0962	95	70-130	4	35	mg/kg	08.28.17 21:06	
Toluene	<0.00202	0.101	0.0908	90	0.0865	86	70-130	5	35	mg/kg	08.28.17 21:06	
Ethylbenzene	<0.00202	0.101	0.0785	78	0.0805	80	71-129	3	35	mg/kg	08.28.17 21:06	
m,p-Xylenes	<0.00403	0.202	0.151	75	0.154	76	70-135	2	35	mg/kg	08.28.17 21:06	
o-Xylene	<0.00202	0.101	0.0750	74	0.0786	78	71-133	5	35	mg/kg	08.28.17 21:06	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		94		80-120	%	08.28.17 21:06
4-Bromofluorobenzene	88		84		80-120	%	08.28.17 21:06

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3026246 | Matrix: Soil | Date Prep: 08.29.17
Parent Sample Id: 561286-002 | MS Sample Id: 561286-002 S | MSD Sample Id: 561286-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00364	0.182	0.205	113	0.230	123	70-130	11	35	mg/kg	08.29.17 11:13	
Toluene	<0.00364	0.182	0.197	108	0.202	108	70-130	3	35	mg/kg	08.29.17 11:13	
Ethylbenzene	<0.00364	0.182	0.194	107	0.168	90	71-129	14	35	mg/kg	08.29.17 11:13	
m,p-Xylenes	<0.00727	0.364	0.379	104	0.304	81	70-135	22	35	mg/kg	08.29.17 11:13	
o-Xylene	<0.00364	0.182	0.184	101	0.176	94	71-133	4	35	mg/kg	08.29.17 11:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		117		80-120	%	08.29.17 11:13
4-Bromofluorobenzene	88		91		80-120	%	08.29.17 11:13

QC Summary 561286

TRC Solutions, Inc

Jal #3 Field Scrubbers (Open Excavations)

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3026250 Matrix: Soil Date Prep: 08.30.17

Parent Sample Id: 561411-004 MS Sample Id: 561411-004 S MSD Sample Id: 561411-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0803	80	0.0761	75	70-130	5	35	mg/kg	08.30.17 10:38	
Toluene	<0.00202	0.101	0.0760	75	0.0710	70	70-130	7	35	mg/kg	08.30.17 10:38	
Ethylbenzene	<0.00202	0.101	0.0732	72	0.0662	66	71-129	10	35	mg/kg	08.30.17 10:38	X
m,p-Xylenes	<0.00403	0.202	0.143	71	0.128	63	70-135	11	35	mg/kg	08.30.17 10:38	X
o-Xylene	<0.00202	0.101	0.0724	72	0.0685	68	71-133	6	35	mg/kg	08.30.17 10:38	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		80-120	%	08.30.17 10:38
4-Bromofluorobenzene	98		96		80-120	%	08.30.17 10:38

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Page 1 Of 1

XENCO LABORATORIES

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Xenco Quote #

Xenco Job # 561286

Client / Reporting Information

Company Name / Branch: TRC Environmental

Company Address: 2057 Commerce Drive, Midland, TX 79703

Email: jlowry@trcsolutions.com

Phone No:

Project Contact: Joel Lowry

Samplers's Name Joel Lowry

Project Information

Project Name/Number: Jal #3 Field Scrubbers (Open Excavations)

Project Location: Lea Co, NM

Invoice To: ETC Field Services, C/O Rose Slade

PO Number: SRS Pending

Analytical Information

TPH 8015M Ext

BTEX 8021 B

Cl- E300

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
WI = Wipe
O = Oil
WW= Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015M Ext	BTEX 8021 B	Cl- E300	Field Comments
1	Exc. A TT @ 9'	9'	8/23/17	10:10	S	1									X	X	X	
2	Exc. B TT @ 8'	8'	8/23/17	10:30	S										X	X	X	
3	Exc. B SSW b	2.5'	8/23/17	10:35	S										X	X	X	
4	Exc. C TT @ 9'	9'	8/17/17	10:52	S										X	X	X	
5																		
6																		
7																		
8																		
9																		
10																		

Temp: 3.3 IR ID:R-8

CF:(0-6: -0.2°C)

(6-23: +0.2°C)

Corrected Temp: 3.1

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [x] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level III Std QC+ Forms
- [ ] Level 3 (CLP Forms)
- [ ] TRRP Checklist
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] TRRP Level IV
- [ ] UST / RG -411

Email to Rose and Joel

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:	Relinquished By:	Date Time:	Received By:
1		8/25/17 1400	1	2	8/25/17 1400	2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Preserved where applicable	On Ice ☑ Cooler Temp. Thermo. Corr. Factor

Notice: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such loses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 08/25/2017 02:00:00 PM

Work Order #: 561286

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : r-8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.1
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Jessica Kramer
Jessica Kramer
Date: 08/25/2017

Checklist reviewed by: Kelsey Brooks
Kelsey Brooks
Date: 08/25/2017

Certificate of Analysis Summary 565905

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 Field Services

Project Id:

Contact: Joel Lowry

Project Location: Jal, NM

Date Received in Lab: Wed Oct-18-17 04:30 pm

Report Date: 19-OCT-17

Project Manager: Kelsey Brooks

Analysis Requested							
	Lab Id:	565905-001					
	Field Id:	Exc. B SSWb					
	Depth:	2.5- ft					
	Matrix:	SOIL					
	Sampled:	Oct-18-17 14:45					
DRO-ORO By SW8015B	***Extracted:***	Oct-18-17 17:00					
	Analyzed:	Oct-19-17 00:08					
	Units/RL:	mg/kg	RL				
Diesel Range Organics (DRO)		969	250				
Oil Range Hydrocarbons (ORO)		<250	250				
TPH GRO by EPA 8015 Mod.	***Extracted:***	Oct-18-17 17:00					
	Analyzed:	Oct-19-17 01:13					
	Units/RL:	mg/kg	RL				
TPH-GRO		197	38.8				

Kelsey Brooks
Project Manager

Analytical Report 565905

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 Field Services

19-OCT-17

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab code: TX01468):
Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

19-OCT-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **565905**
Jal #3 Field Services
Project Address: Jal, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 565905. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 565905 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 565905

TRC Solutions, Inc, Midland, TX

Jal #3 Field Services

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Exc. B SSWb	S	10-18-17 14:45	2.5 ft	565905-001

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-3030826 DRO-ORO By SW8015B
Surrogate Tricosane, Surrogate n-Triacontane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 565899-003 S,565899-003 SD,565905-001.

Certificate of Analytical Results 565905

TRC Solutions, Inc, Midland, TX

Jal #3 Field Services

Sample Id:	**Exc. B SSWb**	Matrix:	Soil	Date Received:	10.18.17 16.30
Lab Sample Id:	565905-001	Date Collected:	10.18.17 14.45	Sample Depth:	2.5 ft

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030826				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**969**	250	mg/kg	10.19.17 00.08		10
Oil Range Hydrocarbons (ORO)	PHCG2835	<250	250	mg/kg	10.19.17 00.08	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	680	%	65-144	10.19.17 00.08	**
n-Triacontane	638-68-6	287	%	46-152	10.19.17 00.08	**

Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030804				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**197**	38.8	mg/kg	10.19.17 01.13		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	76-123	10.19.17 01.13	
a,a,a-Trifluorotoluene	98-08-8	98	%	69-120	10.19.17 01.13	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 565905

TRC Solutions, Inc

Jal #3 Field Services

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P

Seq Number: 3030826 Matrix: Solid Date Prep: 10.19.17

MB Sample Id: 7632830-1-BLK LCS Sample Id: 7632830-1-BKS LCSD Sample Id: 7632830-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	<25.0	100	100	100	97.5	98	63-139	3	20	mg/kg	10.18.17 17:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	106		112		107		65-144	%	10.18.17 17:16
n-Triacontane	89		88		83		46-152	%	10.18.17 17:16

Analytical Method: **DRO-ORO By SW8015B** Prep Method: SW8015P

Seq Number: 3030826 Matrix: Soil Date Prep: 10.18.17

Parent Sample Id: 565899-003 MS Sample Id: 565899-003 S MSD Sample Id: 565899-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	390	100	507	117	503	113	63-139	1	20	mg/kg	10.18.17 22:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tricosane	330	**	309	**	65-144	%	10.18.17 22:56
n-Triacontane	215	**	221	**	46-152	%	10.18.17 22:56

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B

Seq Number: 3030804 Matrix: Solid Date Prep: 10.18.17

MB Sample Id: 7632837-1-BLK LCS Sample Id: 7632837-1-BKS LCSD Sample Id: 7632837-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	20.4	102	22.8	114	35-129	11	20	mg/kg	10.18.17 20:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		87		88		76-123	%	10.18.17 20:20
a,a,a-Trifluorotoluene	116		95		99		69-120	%	10.18.17 20:20

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B

Seq Number: 3030804 Matrix: Soil Date Prep: 10.18.17

Parent Sample Id: 565837-001 MS Sample Id: 565837-001 S MSD Sample Id: 565837-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	2490	990	2610	12	2630	14	35-129	1	20	mg/kg	10.19.17 03:26	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		107		76-123	%	10.19.17 03:26
a,a,a-Trifluorotoluene	110		114		69-120	%	10.19.17 03:26

Revision 2016.1

CHAIN OF CUSTODY

Page 1 Of 1

XENCO LABORATORIES

Setting the Standard since 1990

Stafford, TX (281) 240-4200
Dallas, TX (214) 902-0300

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San Antonio, TX (210) 509-3334

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Phoenix, AZ (480) 355-0900
Service Center - Baton Rouge, LA (832) 712-8143

Service Center- Amarillo, TX (806)678-4514
Service Center- Hobbs, NM (575) 392-7550

565905

Xenco Quote #:

Xenco Job #: 565905

Client / Reporting Information	Project Information
Company Name / Branch: TRC Solutions	Project Name/Number: Sal #3 Field Scrubbers
Company Address: 2057 Commerce	Project Location: Sal, NM
Email: jlowry@trcsolutions.com Phone No:	Invoice To: ETC Field Services
Project Contact: J. Lowry	PO Number:
Samplers's Name: J. Lowry	

Analytical Information: TPH 8015 M Ext; DRO GRO ORO

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015 M Ext
1	Exc. B SSWb	2.5'	10/6/17	2:45	S	1									X
2															
3															
4															
5															
6															
7															
8															
9															
10															

Matrix Codes: W = Water, S = Soil/Sed/Solid, GW = Ground Water, DW = Drinking Water, P = Product, SW = Surface Water, SL - Sludge, OW = Ocean/Sea Water, WI = Wipe, O = Oil, WW = Waste Water, A = Air

Field Comments

Turnaround Time (Business days)

- [x] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes: Rush Verbals to Joel i Rose 432-940 5157

FED-EX / UPS: Tracking #

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:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Relinquished by Sampler: [signature]		1	2		2
3 Relinquished by:		3	4		4
5 Relinquished by:		5 Received By: Brenda Ward	Custody Seal # 10/8/17 4:30pm	Preserved where applicable	On Ice ✓ Cooler Temp. 4.4/4.3 Thermo. Corr. Factor FR-3 -0.1

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 10/18/2017 04:30:00 PM

Work Order #: 565905

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-3

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**No**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brenda Ward Date: 10/18/2017
Brenda Ward

Checklist reviewed by: Kelsey Brooks Date: 10/19/2017
Kelsey Brooks

Certificate of Analysis Summary 561489

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 Field Scrubbers (North BGT)

Project Id:

Contact: Joel Lowry

Project Location: Lea County NM

Date Received in Lab: Tue Aug-29-17 04:55 pm

Report Date: 05-SEP-17

Project Manager: Kelsey Brooks

Analysis Requested											
	Lab Id:	561489-001		561489-002		561489-003		561489-004		561489-005	
	Field Id:	N.BGT Floor @18'		N. BGT NSW		N. BGT ESW		N. BGT SSW		N. BGT WSW	
	Depth:	18- ft		13- ft		13- ft		13- ft		13- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Aug-28-17 11:15		Aug-28-17 11:25		Aug-28-17 11:35		Aug-28-17 11:45		Aug-28-17 11:55	
BTEX by EPA 8021B	**Extracted:**	Sep-05-17 08:30		Sep-05-17 08:30		Sep-05-17 08:30		Sep-01-17 11:00		Sep-05-17 08:30	
	Analyzed:	Sep-05-17 10:51		Sep-05-17 09:51		Sep-05-17 10:31		Sep-02-17 11:18		Sep-05-17 09:32	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.0502	0.0502	<0.00202	0.00202
Toluene		0.0223	0.00199	<0.00200	0.00200	<0.00201	0.00201	0.584	0.0502	<0.00202	0.00202
Ethylbenzene		0.0773	0.00199	<0.00200	0.00200	<0.00201	0.00201	1.02	0.0502	<0.00202	0.00202
m,p-Xylenes		0.0812	0.00398	<0.00399	0.00399	0.00404	0.00402	4.48	0.100	<0.00403	0.00403
o-Xylene		0.160	0.00199	<0.00200	0.00200	0.00596	0.00201	3.58	0.0502	<0.00202	0.00202
Total Xylenes		0.2412	0.00199	<0.002	0.002	0.01	0.00201	8.06	0.0502	<0.00202	0.00202
Total BTEX		0.3408	0.00199	<0.002	0.002	0.01	0.00201	9.664	0.0502	<0.00202	0.00202
Chloride by EPA 300	**Extracted:**	Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 14:25	
	Analyzed:	Sep-01-17 15:26		Sep-01-17 16:06		Sep-01-17 16:16		Sep-01-17 16:27		Sep-01-17 16:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		88.9	5.00	21.7	5.00	61.4	5.00	104	5.00	24.1	5.00
TPH by SW8015 Mod	**Extracted:**	Aug-30-17 18:00		Aug-30-17 18:00		Aug-30-17 18:00		Aug-30-17 18:00		Aug-30-17 18:00	
	Analyzed:	Aug-31-17 04:59		Aug-31-17 05:20		Aug-31-17 05:42		Aug-31-17 06:03		Aug-31-17 06:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		26.5	15.0	<15.0	15.0	<15.0	15.0	492	14.9	<15.0	15.0
Diesel Range Organics (DRO)		345	15.0	<15.0	15.0	190	15.0	1130	14.9	<15.0	15.0
Oil Range Hydrocarbons (ORO)		110	15.0	<15.0	15.0	53.5	15.0	310	14.9	<15.0	15.0
Total TPH		481.5	15	<15	15	243.5	15	1932	14.9	<15	15

Julian Martinez
Project Manager

Analytical Report 561489

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 Field Scrubbers (North BGT)

05-SEP-17

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

05-SEP-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **561489**
Jal #3 Field Scrubbers (North BGT)
Project Address: Lea County NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 561489. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 561489 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Julian Martinez
Project Manager

Sample Cross Reference 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
N.BGT Floor @18'	S	08-28-17 11:15	18 ft	561489-001
N. BGT NSW	S	08-28-17 11:25	13 ft	561489-002
N. BGT ESW	S	08-28-17 11:35	13 ft	561489-003
N. BGT SSW	S	08-28-17 11:45	13 ft	561489-004
N. BGT WSW	S	08-28-17 11:55	13 ft	561489-005

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3026474 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3026700 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N.BGT Floor @18'**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-001	Date Collected:	08.28.17 11.15	Sample Depth:	18 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**88.9**	5.00	mg/kg	09.01.17 15.26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 18.00	Basis:	Wet Weight
Seq Number:	3026607				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**26.5**	15.0	mg/kg	08.31.17 04.59		1
Diesel Range Organics (DRO)	C10C28DRO	**345**	15.0	mg/kg	08.31.17 04.59		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**110**	15.0	mg/kg	08.31.17 04.59		1
Total TPH	PHC635	**481.5**	15	mg/kg	08.31.17 04.59		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	08.31.17 04.59	
o-Terphenyl	84-15-1	110	%	70-135	08.31.17 04.59	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N.BGT Floor @18'**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-001	Date Collected:	08.28.17 11.15	Sample Depth:	18 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	09.05.17 08.30	Basis:	Wet Weight
Seq Number:	3026700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.05.17 10.51	U	1
Toluene	108-88-3	**0.0223**	0.00199	mg/kg	09.05.17 10.51		1
Ethylbenzene	100-41-4	**0.0773**	0.00199	mg/kg	09.05.17 10.51		1
m,p-Xylenes	179601-23-1	**0.0812**	0.00398	mg/kg	09.05.17 10.51		1
o-Xylene	95-47-6	**0.160**	0.00199	mg/kg	09.05.17 10.51		1
Total Xylenes	1330-20-7	**0.2412**	0.00199	mg/kg	09.05.17 10.51		1
Total BTEX		**0.3408**	0.00199	mg/kg	09.05.17 10.51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	80-120	09.05.17 10.51	
1,4-Difluorobenzene	540-36-3	91	%	80-120	09.05.17 10.51	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT NSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-002	Date Collected:	08.28.17 11.25	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.7**	5.00	mg/kg	09.01.17 16.06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 18.00	Basis:	Wet Weight
Seq Number:	3026607				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	08.31.17 05.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	08.31.17 05.20	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	08.31.17 05.20	U	1
Total TPH	PHC635	<15	15	mg/kg	08.31.17 05.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	08.31.17 05.20	
o-Terphenyl	84-15-1	116	%	70-135	08.31.17 05.20	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT NSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-002	Date Collected:	08.28.17 11.25	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	09.05.17 08.30	Basis:	Wet Weight
Seq Number:	3026700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.05.17 09.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.05.17 09.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.05.17 09.51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.05.17 09.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.05.17 09.51	U	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	09.05.17 09.51	U	1
Total BTEX		<0.002	0.002	mg/kg	09.05.17 09.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93	%	80-120	09.05.17 09.51	
4-Bromofluorobenzene	460-00-4	102	%	80-120	09.05.17 09.51	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT ESW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-003	Date Collected:	08.28.17 11.35	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**61.4**	5.00	mg/kg	09.01.17 16.16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 18.00	Basis:	Wet Weight
Seq Number:	3026607				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	08.31.17 05.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	**190**	15.0	mg/kg	08.31.17 05.42		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**53.5**	15.0	mg/kg	08.31.17 05.42		1
Total TPH	PHC635	**243.5**	15	mg/kg	08.31.17 05.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	08.31.17 05.42	
o-Terphenyl	84-15-1	96	%	70-135	08.31.17 05.42	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT ESW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-003	Date Collected:	08.28.17 11.35	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	09.05.17 08.30	Basis:	Wet Weight
Seq Number:	3026700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.05.17 10.31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.05.17 10.31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.05.17 10.31	U	1
m,p-Xylenes	179601-23-1	**0.00404**	0.00402	mg/kg	09.05.17 10.31		1
o-Xylene	95-47-6	**0.00596**	0.00201	mg/kg	09.05.17 10.31		1
Total Xylenes	1330-20-7	**0.01**	0.00201	mg/kg	09.05.17 10.31		1
Total BTEX		**0.01**	0.00201	mg/kg	09.05.17 10.31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	91	%	80-120	09.05.17 10.31	
4-Bromofluorobenzene	460-00-4	102	%	80-120	09.05.17 10.31	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT SSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-004	Date Collected:	08.28.17 11.45	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**104**	5.00	mg/kg	09.01.17 16.27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 18.00	Basis:	Wet Weight
Seq Number:	3026607				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**492**	14.9	mg/kg	08.31.17 06.03		1
Diesel Range Organics (DRO)	C10C28DRO	**1130**	14.9	mg/kg	08.31.17 06.03		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**310**	14.9	mg/kg	08.31.17 06.03		1
Total TPH	PHC635	**1932**	14.9	mg/kg	08.31.17 06.03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	08.31.17 06.03	
o-Terphenyl	84-15-1	97	%	70-135	08.31.17 06.03	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT SSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-004	Date Collected:	08.28.17 11.45	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	JUM	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026474				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0502	0.0502	mg/kg	09.02.17 11.18	U	25
Toluene	108-88-3	**0.584**	0.0502	mg/kg	09.02.17 11.18		25
Ethylbenzene	100-41-4	**1.02**	0.0502	mg/kg	09.02.17 11.18		25
m,p-Xylenes	179601-23-1	**4.48**	0.100	mg/kg	09.02.17 11.18		25
o-Xylene	95-47-6	**3.58**	0.0502	mg/kg	09.02.17 11.18		25
Total Xylenes	1330-20-7	**8.06**	0.0502	mg/kg	09.02.17 11.18		25
Total BTEX		**9.664**	0.0502	mg/kg	09.02.17 11.18		25

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	80-120	09.02.17 11.18	
1,4-Difluorobenzene	540-36-3	107	%	80-120	09.02.17 11.18	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT WSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-005	Date Collected:	08.28.17 11.55	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 14.25	Basis:	Wet Weight
Seq Number:	3026651				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.1**	5.00	mg/kg	09.01.17 16.37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 18.00	Basis:	Wet Weight
Seq Number:	3026607				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	08.31.17 06.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	08.31.17 06.23	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	08.31.17 06.23	U	1
Total TPH	PHC635	<15	15	mg/kg	08.31.17 06.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	08.31.17 06.23	
o-Terphenyl	84-15-1	107	%	70-135	08.31.17 06.23	

Certificate of Analytical Results 561489

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**N. BGT WSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561489-005	Date Collected:	08.28.17 11.55	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	09.05.17 08.30	Basis:	Wet Weight
Seq Number:	3026700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.05.17 09.32	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.05.17 09.32	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.05.17 09.32	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	09.05.17 09.32	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.05.17 09.32	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.05.17 09.32	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.05.17 09.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.05.17 09.32	
4-Bromofluorobenzene	460-00-4	104	%	80-120	09.05.17 09.32	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 561489

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026481 Matrix: Solid Date Prep: 09.01.17
MB Sample Id: 730241-1-BLK LCS Sample Id: 730241-1-BKS LCSD Sample Id: 730241-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	247	99	254	102	90-110	3	20	mg/kg	09.01.17 12:51	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026651 Matrix: Solid Date Prep: 09.01.17
MB Sample Id: 730327-1-BLK LCS Sample Id: 730327-1-BKS LCSD Sample Id: 730327-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	249	100	249	100	90-110	0	20	mg/kg	09.01.17 20:31	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026481 Matrix: Soil Date Prep: 09.01.17
Parent Sample Id: 561490-005 MS Sample Id: 561490-005 S MSD Sample Id: 561490-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.5	250	254	93	254	93	90-110	0	20	mg/kg	09.01.17 15:06	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026481 Matrix: Soil Date Prep: 09.01.17
Parent Sample Id: 561776-001 MS Sample Id: 561776-001 S MSD Sample Id: 561776-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	30.2	250	260	92	261	92	90-110	0	20	mg/kg	09.01.17 12:20	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026651 Matrix: Soil Date Prep: 09.01.17
Parent Sample Id: 561317-002 MS Sample Id: 561317-002 S MSD Sample Id: 561317-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1180	245	1410	94	1410	94	90-110	0	20	mg/kg	09.01.17 21:02	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026651 Matrix: Soil Date Prep: 09.01.17
Parent Sample Id: 561526-001 MS Sample Id: 561526-001 S MSD Sample Id: 561526-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	199	246	459	106	458	105	90-110	0	20	mg/kg	09.01.17 23:27	

QC Summary 561489

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026607 Matrix: Solid Date Prep: 08.30.17
MB Sample Id: 730145-1-BLK LCS Sample Id: 730145-1-BKS LCSD Sample Id: 730145-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	876	88	846	85	70-135	3	35	mg/kg	09.05.17 09:38	
Diesel Range Organics (DRO)	<15.0	1000	1050	105	1040	104	70-135	1	35	mg/kg	09.05.17 09:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		112		109		70-135	%	09.05.17 09:38
o-Terphenyl	103		101		97		70-135	%	09.05.17 09:38

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026607 Matrix: Soil Date Prep: 08.30.17
Parent Sample Id: 561470-001 MS Sample Id: 561470-001 S MSD Sample Id: 561470-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	924	93	880	88	70-135	5	35	mg/kg	09.05.17 09:38	
Diesel Range Organics (DRO)	25.6	998	1020	100	1060	104	70-135	4	35	mg/kg	09.05.17 09:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		106		70-135	%	09.05.17 09:38
o-Terphenyl	97		95		70-135	%	09.05.17 09:38

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3026474 Matrix: Solid Date Prep: 09.01.17
MB Sample Id: 730240-1-BLK LCS Sample Id: 730240-1-BKS LCSD Sample Id: 730240-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.106	106	70-130	5	35	mg/kg	09.01.17 11:55	
Toluene	<0.00200	0.100	0.100	100	0.105	105	70-130	5	35	mg/kg	09.01.17 11:55	
Ethylbenzene	<0.00200	0.100	0.102	102	0.106	106	71-129	4	35	mg/kg	09.01.17 11:55	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.207	104	70-135	4	35	mg/kg	09.01.17 11:55	
o-Xylene	<0.00200	0.100	0.0972	97	0.102	102	71-133	5	35	mg/kg	09.01.17 11:55	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		94		95		80-120	%	09.01.17 11:55
4-Bromofluorobenzene	93		101		103		80-120	%	09.01.17 11:55

QC Summary 561489

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3026700 | Matrix: Solid | Date Prep: 09.05.17
MB Sample Id: 730377-1-BLK | LCS Sample Id: 730377-1-BKS | LCSD Sample Id: 730377-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.104	104	0.103	103	70-130	1	35	mg/kg	09.05.17 07:57	
Toluene	<0.00200	0.100	0.102	102	0.101	101	70-130	1	35	mg/kg	09.05.17 07:57	
Ethylbenzene	<0.00200	0.100	0.101	101	0.100	100	71-129	1	35	mg/kg	09.05.17 07:57	
m,p-Xylenes	<0.00401	0.200	0.198	99	0.196	98	70-135	1	35	mg/kg	09.05.17 07:57	
o-Xylene	<0.00200	0.100	0.0952	95	0.0945	95	71-133	1	35	mg/kg	09.05.17 07:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		97		96		80-120	%	09.05.17 07:57
4-Bromofluorobenzene	99		105		103		80-120	%	09.05.17 07:57

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3026474 | Matrix: Soil | Date Prep: 09.01.17
Parent Sample Id: 561776-001 | MS Sample Id: 561776-001 S | MSD Sample Id: 561776-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0909	91	0.0922	92	70-130	1	35	mg/kg	09.01.17 12:31	
Toluene	<0.00200	0.100	0.0857	86	0.0894	89	70-130	4	35	mg/kg	09.01.17 12:31	
Ethylbenzene	<0.00200	0.100	0.0842	84	0.0865	87	71-129	3	35	mg/kg	09.01.17 12:31	
m,p-Xylenes	<0.00400	0.200	0.164	82	0.167	84	70-135	2	35	mg/kg	09.01.17 12:31	
o-Xylene	<0.00200	0.100	0.0836	84	0.0831	83	71-133	1	35	mg/kg	09.01.17 12:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		97		80-120	%	09.01.17 12:31
4-Bromofluorobenzene	109		110		80-120	%	09.01.17 12:31

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3026700 | Matrix: Soil | Date Prep: 09.05.17
Parent Sample Id: 561383-008 | MS Sample Id: 561383-008 S | MSD Sample Id: 561383-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.103	103	0.104	104	70-130	1	35	mg/kg	09.05.17 16:23	
Toluene	<0.00200	0.0998	0.100	100	0.101	101	70-130	1	35	mg/kg	09.05.17 16:23	
Ethylbenzene	<0.00200	0.0998	0.0969	97	0.0982	98	71-129	1	35	mg/kg	09.05.17 16:23	
m,p-Xylenes	<0.00399	0.200	0.189	95	0.191	96	70-135	1	35	mg/kg	09.05.17 16:23	
o-Xylene	<0.00200	0.0998	0.0918	92	0.0932	93	71-133	2	35	mg/kg	09.05.17 16:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		106		80-120	%	09.05.17 16:23
4-Bromofluorobenzene	114		116		80-120	%	09.05.17 16:23

CHAIN OF CUSTODY

Page 1 Of 1

XENCO LABORATORIES

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Stafford,Texas (281-240-4200)

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Midland, Texas (432-704-5251)

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www.xenco.com

Xenco Quote #

Xenco Job # 561489

Client / Reporting Information

Company Name / Branch: TRC Environmental

Company Address: 2057 Commerce Drive, Midland, TX 79703

Email: jlowry@trcsolutions.com

Phone No:

Project Contact: Joel Lowry

Samplers's Name Joel Lowry

Project Information

Project Name/Number: Jal #3 Field Scrubbers (North BGT)

Project Location: Lea Co, NM

Invoice To: ETC Field Services, CO Rose Slade

Invoice: Consult Rose Slade for AFE No.

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
WI = Wipe
O = Oil
WW= Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015 M Ext	Chloride E 300	BTEX 8021B	Field Comments
1	N. BGT Floor @ 18'	18'	8/28/2017	11:15	S	1									x	x	x	
2	N. BGT NSW	13'	8/28/2017	1125	S	1									x	x	x	
3	N. BGT ESW	13'	8/28/2017	1135	S	1									x	x	x	
4	N. BGT SSW	13'	8/28/2017	1145	S	1									x	x	x	
5	N. BGT WSW	13'	8/28/2017	1155	S	1									x	x	x	
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [x] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes:

Email Rose Slade and Joel Lowry

Temp: 1.9 IR ID:R-8

CF:(0-6: -0.2°C)

(6-23: +0.2°C)

Corrected Temp: 1.7

FED-EX / U

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished By:	Date Time:	Received By:
1	Joel Lowry	8/29/17 16:55	
2			
3			
4			
5			

Custody Seal # | Preserved where applicable | On Ice | Cooler Temp. | Thermo. Corr. Factor

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 08/29/2017 04:55:00 PM

Work Order #: 561489

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.7
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Shawnee Smith Date: 08/30/2017
Shawnee Smith

Checklist reviewed by: Kelsey Brooks Date: 08/30/2017
Kelsey Brooks

Certificate of Analysis Summary 561490

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 Field Scrubbers (North BGT)

Project Id:
Contact: Joel Lowry
Project Location: Lea County NM

Date Received in Lab: Tue Aug-29-17 04:55 pm
Report Date: 05-SEP-17
Project Manager: Kelsey Brooks

Analysis Requested											
	Lab Id:	561490-001		561490-002		561490-003		561490-004		561490-005	
	Field Id:	S.BGT Floor @18'		S. BGT NSW		S. BGT ESW		S. BGT SSW		S. BGT WSW	
	Depth:	18- ft		13- ft		13- ft		13- ft		13- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Aug-28-17 13:20		Aug-28-17 13:30		Aug-28-17 13:40		Aug-28-17 13:50		Aug-28-17 14:00	
BTEX by EPA 8021B	***Extracted:***	Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00		Sep-05-17 08:30	
	Analyzed:	Sep-02-17 10:21		Sep-02-17 11:56		Sep-02-17 12:15		Sep-02-17 11:37		Sep-05-17 12:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.202	0.202	<0.100	0.100	15.6	0.199	<0.0499	0.0499	<0.101	0.101
Toluene		0.443	0.202	4.33	0.100	38.6	0.199	<0.0499	0.0499	1.90	0.101
Ethylbenzene		0.661	0.202	6.80	0.100	20.4	0.199	1.04	0.0499	3.23	0.101
m,p-Xylenes		4.46	0.404	23.7	0.201	50.8	0.398	5.78	0.0998	33.9	0.202
o-Xylene		2.03	0.202	5.30	0.100	9.64	0.199	2.96	0.0499	7.05	0.101
Total Xylenes		6.49	0.202	29	0.1	60.44	0.199	8.74	0.0499	40.95	0.101
Total BTEX		7.594	0.202	40.13	0.1	135.04	0.199	9.78	0.0499	46.08	0.101
Chloride by EPA 300	***Extracted:***	Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00		Sep-01-17 11:00	
	Analyzed:	Sep-01-17 14:14		Sep-01-17 14:24		Sep-01-17 14:35		Sep-01-17 14:45		Sep-01-17 14:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		105	5.00	313	5.00	95.6	5.00	62.2	5.00	22.5	5.00
TPH by SW8015 Mod	***Extracted:***	Aug-30-17 10:00		Aug-30-17 10:00		Aug-30-17 10:00		Aug-30-17 10:00		Aug-31-17 16:00	
	Analyzed:	Aug-31-17 07:04		Sep-05-17 09:35		Sep-05-17 09:35		Sep-05-17 09:35		Sep-01-17 01:07	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		264	15.0	1290	74.9	2300	74.8	335	14.9	2540	74.9
Diesel Range Organics (DRO)		979	15.0	3160	74.9	15400	74.8	577	14.9	2220	74.9
Oil Range Hydrocarbons (ORO)		249	15.0	486	74.9	2500	74.8	65.5	14.9	671	74.9
Total TPH		1492	15	4936	74.9	20200	74.8	977.5	14.9	5431	74.9

Julian Martinez
Project Manager

Analytical Report 561490

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 Field Scrubbers (North BGT)

05-SEP-17

Collected By: Client

1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

05-SEP-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **561490**
Jal #3 Field Scrubbers (North BGT)
Project Address: Lea County NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 561490. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 561490 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Julian Martinez
Project Manager

Sample Cross Reference 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S.BGT Floor @18'	S	08-28-17 13:20	18 ft	561490-001
S. BGT NSW	S	08-28-17 13:30	13 ft	561490-002
S. BGT ESW	S	08-28-17 13:40	13 ft	561490-003
S. BGT SSW	S	08-28-17 13:50	13 ft	561490-004
S. BGT WSW	S	08-28-17 14:00	13 ft	561490-005

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3026474 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3026700 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S.BGT Floor @18'**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-001	Date Collected:	08.28.17 13.20	Sample Depth:	18 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**105**	5.00	mg/kg	09.01.17 14.14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 10.00	Basis:	Wet Weight
Seq Number:	3026606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**264**	15.0	mg/kg	08.31.17 07.04		1
Diesel Range Organics (DRO)	C10C28DRO	**979**	15.0	mg/kg	08.31.17 07.04		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**249**	15.0	mg/kg	08.31.17 07.04		1
Total TPH	PHC635	**1492**	15	mg/kg	08.31.17 07.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	08.31.17 07.04	
o-Terphenyl	84-15-1	102	%	70-135	08.31.17 07.04	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S.BGT Floor @18'**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-001	Date Collected:	08.28.17 13.20	Sample Depth:	18 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	JUM	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026474				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.202	0.202	mg/kg	09.02.17 10.21	U	100
Toluene	108-88-3	**0.443**	0.202	mg/kg	09.02.17 10.21		100
Ethylbenzene	100-41-4	**0.661**	0.202	mg/kg	09.02.17 10.21		100
m,p-Xylenes	179601-23-1	**4.46**	0.404	mg/kg	09.02.17 10.21		100
o-Xylene	95-47-6	**2.03**	0.202	mg/kg	09.02.17 10.21		100
Total Xylenes	1330-20-7	**6.49**	0.202	mg/kg	09.02.17 10.21		100
Total BTEX		**7.594**	0.202	mg/kg	09.02.17 10.21		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	80-120	09.02.17 10.21	
1,4-Difluorobenzene	540-36-3	81	%	80-120	09.02.17 10.21	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT NSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-002	Date Collected:	08.28.17 13.30	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**313**	5.00	mg/kg	09.01.17 14.24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 10.00	Basis:	Wet Weight
Seq Number:	3026606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**1290**	74.9	mg/kg	09.05.17 09.35		5
Diesel Range Organics (DRO)	C10C28DRO	**3160**	74.9	mg/kg	09.05.17 09.35		5
Oil Range Hydrocarbons (ORO)	PHCG2835	**486**	74.9	mg/kg	09.05.17 09.35		5
Total TPH	PHC635	**4936**	74.9	mg/kg	09.05.17 09.35		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	09.05.17 09.35	
o-Terphenyl	84-15-1	125	%	70-135	09.05.17 09.35	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT NSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-002	Date Collected:	08.28.17 13.30	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	JUM	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026474				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.100	0.100	mg/kg	09.02.17 11.56	U	50
Toluene	108-88-3	**4.33**	0.100	mg/kg	09.02.17 11.56		50
Ethylbenzene	100-41-4	**6.80**	0.100	mg/kg	09.02.17 11.56		50
m,p-Xylenes	179601-23-1	**23.7**	0.201	mg/kg	09.02.17 11.56		50
o-Xylene	95-47-6	**5.30**	0.100	mg/kg	09.02.17 11.56		50
Total Xylenes	1330-20-7	**29**	0.1	mg/kg	09.02.17 11.56		50
Total BTEX		**40.13**	0.1	mg/kg	09.02.17 11.56		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	80-120	09.02.17 11.56	
4-Bromofluorobenzene	460-00-4	106	%	80-120	09.02.17 11.56	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT ESW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-003	Date Collected:	08.28.17 13.40	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**95.6**	5.00	mg/kg	09.01.17 14.35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 10.00	Basis:	Wet Weight
Seq Number:	3026606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**2300**	74.8	mg/kg	09.05.17 09.35		5
Diesel Range Organics (DRO)	C10C28DRO	**15400**	74.8	mg/kg	09.05.17 09.35		5
Oil Range Hydrocarbons (ORO)	PHCG2835	**2500**	74.8	mg/kg	09.05.17 09.35		5
Total TPH	PHC635	**20200**	74.8	mg/kg	09.05.17 09.35		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	09.05.17 09.35	
o-Terphenyl	84-15-1	86	%	70-135	09.05.17 09.35	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT ESW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-003	Date Collected:	08.28.17 13.40	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	JUM	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026474				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	**15.6**	0.199	mg/kg	09.02.17 12.15		100
Toluene	108-88-3	**38.6**	0.199	mg/kg	09.02.17 12.15		100
Ethylbenzene	100-41-4	**20.4**	0.199	mg/kg	09.02.17 12.15		100
m,p-Xylenes	179601-23-1	**50.8**	0.398	mg/kg	09.02.17 12.15		100
o-Xylene	95-47-6	**9.64**	0.199	mg/kg	09.02.17 12.15		100
Total Xylenes	1330-20-7	**60.44**	0.199	mg/kg	09.02.17 12.15		100
Total BTEX		**135.04**	0.199	mg/kg	09.02.17 12.15		100

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	80-120	09.02.17 12.15	
1,4-Difluorobenzene	540-36-3	117	%	80-120	09.02.17 12.15	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT SSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-004	Date Collected:	08.28.17 13.50	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**62.2**	5.00	mg/kg	09.01.17 14.45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.30.17 10.00	Basis:	Wet Weight
Seq Number:	3026606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**335**	14.9	mg/kg	09.05.17 09.35		1
Diesel Range Organics (DRO)	C10C28DRO	**577**	14.9	mg/kg	09.05.17 09.35		1
Oil Range Hydrocarbons (ORO)	PHCG2835	**65.5**	14.9	mg/kg	09.05.17 09.35		1
Total TPH	PHC635	**977.5**	14.9	mg/kg	09.05.17 09.35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	09.05.17 09.35	
o-Terphenyl	84-15-1	108	%	70-135	09.05.17 09.35	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT SSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-004	Date Collected:	08.28.17 13.50	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	JUM	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026474				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0499	0.0499	mg/kg	09.02.17 11.37	U	25
Toluene	108-88-3	<0.0499	0.0499	mg/kg	09.02.17 11.37	U	25
Ethylbenzene	100-41-4	**1.04**	0.0499	mg/kg	09.02.17 11.37		25
m,p-Xylenes	179601-23-1	**5.78**	0.0998	mg/kg	09.02.17 11.37		25
o-Xylene	95-47-6	**2.96**	0.0499	mg/kg	09.02.17 11.37		25
Total Xylenes	1330-20-7	**8.74**	0.0499	mg/kg	09.02.17 11.37		25
Total BTEX		**9.78**	0.0499	mg/kg	09.02.17 11.37		25

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	80-120	09.02.17 11.37	
1,4-Difluorobenzene	540-36-3	101	%	80-120	09.02.17 11.37	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT WSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-005	Date Collected:	08.28.17 14.00	Sample Depth:	13 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MNV			% Moisture:	
Analyst:	MNV	Date Prep:	09.01.17 11.00	Basis:	Wet Weight
Seq Number:	3026481				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.5**	5.00	mg/kg	09.01.17 14.55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	TX1005P
Tech:	ARM			% Moisture:	
Analyst:	ARM	Date Prep:	08.31.17 16.00	Basis:	Wet Weight
Seq Number:	3026608				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	**2540**	74.9	mg/kg	09.01.17 01.07		5
Diesel Range Organics (DRO)	C10C28DRO	**2220**	74.9	mg/kg	09.01.17 01.07		5
Oil Range Hydrocarbons (ORO)	PHCG2835	**671**	74.9	mg/kg	09.01.17 01.07		5
Total TPH	PHC635	**5431**	74.9	mg/kg	09.01.17 01.07		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	121	%	70-135	09.01.17 01.07	
o-Terphenyl	84-15-1	97	%	70-135	09.01.17 01.07	

Certificate of Analytical Results 561490

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers (North BGT)

Sample Id:	**S. BGT WSW**	Matrix:	Soil	Date Received:	08.29.17 16.55
Lab Sample Id:	561490-005	Date Collected:	08.28.17 14.00	Sample Depth:	13 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	ALJ			% Moisture:	
Analyst:	ALJ	Date Prep:	09.05.17 08.30	Basis:	Wet Weight
Seq Number:	3026700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.101	0.101	mg/kg	09.05.17 12.26	U	50
Toluene	108-88-3	**1.90**	0.101	mg/kg	09.05.17 12.26		50
Ethylbenzene	100-41-4	**3.23**	0.101	mg/kg	09.05.17 12.26		50
m,p-Xylenes	179601-23-1	**33.9**	0.202	mg/kg	09.05.17 12.26		50
o-Xylene	95-47-6	**7.05**	0.101	mg/kg	09.05.17 12.26		50
Total Xylenes	1330-20-7	**40.95**	0.101	mg/kg	09.05.17 12.26		50
Total BTEX		**46.08**	0.101	mg/kg	09.05.17 12.26		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	80	%	80-120	09.05.17 12.26	
4-Bromofluorobenzene	460-00-4	88	%	80-120	09.05.17 12.26	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 561490

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026481 Matrix: Solid Date Prep: 09.01.17
MB Sample Id: 730241-1-BLK LCS Sample Id: 730241-1-BKS LCSD Sample Id: 730241-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	247	99	254	102	90-110	3	20	mg/kg	09.01.17 12:51	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026481 Matrix: Soil Date Prep: 09.01.17
Parent Sample Id: 561490-005 MS Sample Id: 561490-005 S MSD Sample Id: 561490-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.5	250	254	93	254	93	90-110	0	20	mg/kg	09.01.17 15:06	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3026481 Matrix: Soil Date Prep: 09.01.17
Parent Sample Id: 561776-001 MS Sample Id: 561776-001 S MSD Sample Id: 561776-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	30.2	250	260	92	261	92	90-110	0	20	mg/kg	09.01.17 12:20	

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026606 Matrix: Solid Date Prep: 08.30.17
MB Sample Id: 730144-1-BLK LCS Sample Id: 730144-1-BKS LCSD Sample Id: 730144-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	878	88	915	92	70-135	4	35	mg/kg	08.30.17 12:59	
Diesel Range Organics (DRO)	<15.0	1000	1060	106	1070	107	70-135	1	35	mg/kg	08.30.17 12:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	111		116		121		70-135	%	08.30.17 12:59
o-Terphenyl	115		106		113		70-135	%	08.30.17 12:59

QC Summary 561490

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026608 Matrix: Solid Date Prep: 08.31.17
MB Sample Id: 730183-1-BLK LCS Sample Id: 730183-1-BKS LCSD Sample Id: 730183-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	839	84	895	90	70-135	6	35	mg/kg	09.05.17 09:41	
Diesel Range Organics (DRO)	<15.0	1000	1050	105	1040	104	70-135	1	35	mg/kg	09.05.17 09:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		103		103		70-135	%	09.05.17 09:41
o-Terphenyl	103		99		105		70-135	%	09.05.17 09:41

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026606 Matrix: Soil Date Prep: 08.30.17
Parent Sample Id: 561433-001 MS Sample Id: 561433-001 S MSD Sample Id: 561433-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	876	88	877	88	70-135	0	35	mg/kg	09.05.17 09:35	
Diesel Range Organics (DRO)	<15.0	999	1050	105	1080	108	70-135	3	35	mg/kg	09.05.17 09:35	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		124		70-135	%	09.05.17 09:35
o-Terphenyl	104		104		70-135	%	09.05.17 09:35

Analytical Method: **TPH by SW8015 Mod** Prep Method: TX1005P
Seq Number: 3026608 Matrix: Soil Date Prep: 08.31.17
Parent Sample Id: 561470-006 MS Sample Id: 561470-006 S MSD Sample Id: 561470-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	813	81	813	82	70-135	0	35	mg/kg	09.05.17 09:41	
Diesel Range Organics (DRO)	<15.0	999	1000	100	1010	101	70-135	1	35	mg/kg	09.05.17 09:41	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		98		70-135	%	09.05.17 09:41
o-Terphenyl	94		93		70-135	%	09.05.17 09:41

QC Summary 561490

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3026474 Matrix: Solid Date Prep: 09.01.17

MB Sample Id: 730240-1-BLK LCS Sample Id: 730240-1-BKS LCSD Sample Id: 730240-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.101	101	0.106	106	70-130	5	35	mg/kg	09.01.17 11:55	
Toluene	<0.00200	0.100	0.100	100	0.105	105	70-130	5	35	mg/kg	09.01.17 11:55	
Ethylbenzene	<0.00200	0.100	0.102	102	0.106	106	71-129	4	35	mg/kg	09.01.17 11:55	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.207	104	70-135	4	35	mg/kg	09.01.17 11:55	
o-Xylene	<0.00200	0.100	0.0972	97	0.102	102	71-133	5	35	mg/kg	09.01.17 11:55	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		94		95		80-120	%	09.01.17 11:55
4-Bromofluorobenzene	93		101		103		80-120	%	09.01.17 11:55

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3026700 Matrix: Solid Date Prep: 09.05.17

MB Sample Id: 730377-1-BLK LCS Sample Id: 730377-1-BKS LCSD Sample Id: 730377-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.104	104	0.103	103	70-130	1	35	mg/kg	09.05.17 07:57	
Toluene	<0.00200	0.100	0.102	102	0.101	101	70-130	1	35	mg/kg	09.05.17 07:57	
Ethylbenzene	<0.00200	0.100	0.101	101	0.100	100	71-129	1	35	mg/kg	09.05.17 07:57	
m,p-Xylenes	<0.00401	0.200	0.198	99	0.196	98	70-135	1	35	mg/kg	09.05.17 07:57	
o-Xylene	<0.00200	0.100	0.0952	95	0.0945	95	71-133	1	35	mg/kg	09.05.17 07:57	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		97		96		80-120	%	09.05.17 07:57
4-Bromofluorobenzene	99		105		103		80-120	%	09.05.17 07:57

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3026474 Matrix: Soil Date Prep: 09.01.17

Parent Sample Id: 561776-001 MS Sample Id: 561776-001 S MSD Sample Id: 561776-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0909	91	0.0922	92	70-130	1	35	mg/kg	09.01.17 12:31	
Toluene	<0.00200	0.100	0.0857	86	0.0894	89	70-130	4	35	mg/kg	09.01.17 12:31	
Ethylbenzene	<0.00200	0.100	0.0842	84	0.0865	87	71-129	3	35	mg/kg	09.01.17 12:31	
m,p-Xylenes	<0.00400	0.200	0.164	82	0.167	84	70-135	2	35	mg/kg	09.01.17 12:31	
o-Xylene	<0.00200	0.100	0.0836	84	0.0831	83	71-133	1	35	mg/kg	09.01.17 12:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		97		80-120	%	09.01.17 12:31
4-Bromofluorobenzene	109		110		80-120	%	09.01.17 12:31

QC Summary 561490

TRC Solutions, Inc

Jal #3 Field Scrubbers (North BGT)

Analytical Method: **BTEX by EPA 8021B** | Prep Method: SW5030B

Seq Number: 3026700 | Matrix: Soil | Date Prep: 09.05.17

Parent Sample Id: 561383-008 | MS Sample Id: 561383-008 S | MSD Sample Id: 561383-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.103	103	0.104	104	70-130	1	35	mg/kg	09.05.17 16:23	
Toluene	<0.00200	0.0998	0.100	100	0.101	101	70-130	1	35	mg/kg	09.05.17 16:23	
Ethylbenzene	<0.00200	0.0998	0.0969	97	0.0982	98	71-129	1	35	mg/kg	09.05.17 16:23	
m,p-Xylenes	<0.00399	0.200	0.189	95	0.191	96	70-135	1	35	mg/kg	09.05.17 16:23	
o-Xylene	<0.00200	0.0998	0.0918	92	0.0932	93	71-133	2	35	mg/kg	09.05.17 16:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		106		80-120	%	09.05.17 16:23
4-Bromofluorobenzene	114		116		80-120	%	09.05.17 16:23

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Page 1 Of 1

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Xenco Job # 561490

Client / Reporting Information

Company Name / Branch: TRC Environmental

Company Address: 2057 Commerce Drive, Midland, TX 79703

Email: jlowry@trcsolutions.com

Phone No:

Project Contact: Joel Lowry

Samplers's Name Joel Lowry

Project Information

Project Name/Number: Jal #3 Field Scrubbers (North BGT)

Project Location: Lea Co, NM

Invoice To: ETC Field Services, CO Rose Slade

Invoice: Consult Rose Slade for AFE No.

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
WI = Wipe
O = Oil
WW= Waste Water
A = Air

No.	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015 M Ext	Chloride E 300	BTEX 8021B	Field Comments
1	S. BGT Floor @ 18'	18'	8/28/2017	13:20	S	1									X	X	X	
2	S. BGT NSW	13'	8/28/2017	13:30	S	1									X	X	X	
3	S. BGT ESW	13'	8/28/2017	13:40	S	1									X	X	X	
4	S. BGT SSW	13'	8/28/2017	13:50	S	1									X	X	X	
5	S. BGT WSW	13'	8/28/2017	14:00	S	1									X	X	X	
6																		
7																		
8																		
9																		
10																		

Turnaround Time (Business days)

- [ ] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [x] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level III Std QC+ Forms
- [ ] Level 3 (CLP Forms)
- [ ] TRRP Checklist
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] TRRP Level IV
- [ ] UST / RG -411

Notes:

Email Rose Slade and Joel Lowry

Temp: 1.9 IR ID:R-8

CF:(0-6: -0.2°C)

(6-23: +0.2°C)

Corrected Temp: 1.7

FED-EX / UPS: Tr

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Joel Lowry	8/29/17 16:55		2		2
3	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
			3	4		4
5	Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp. / Thermo. Corr. Factor
			5			

Notice: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such loses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 08/29/2017 04:55:00 PM

Work Order #: 561490

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.7
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seal present on shipping container/ cooler?	**N/A**
#5 *Custody Seals intact on shipping container/ cooler?	**N/A**
#6 Custody Seals intact on sample bottles?	**N/A**
#7 *Custody Seals Signed and dated?	**N/A**
#8 *Chain of Custody present?	**Yes**
#9 Sample instructions complete on Chain of Custody?	**Yes**
#10 Any missing/extra samples?	**No**
#11 Chain of Custody signed when relinquished/ received?	**Yes**
#12 Chain of Custody agrees with sample label(s)?	**Yes**
#13 Container label(s) legible and intact?	**Yes**
#14 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#15 Samples in proper container/ bottle?	**Yes**
#16 Samples properly preserved?	**Yes**
#17 Sample container(s) intact?	**Yes**
#18 Sufficient sample amount for indicated test(s)?	**Yes**
#19 All samples received within hold time?	**Yes**
#20 Subcontract of sample(s)?	**No**
#21 VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Shawnee Smith Date: 08/30/2017
Shawnee Smith

Checklist reviewed by: Kelsey Brooks Date: 08/30/2017
Kelsey Brooks

Certificate of Analysis Summary 565899

TRC Solutions, Inc, Midland, TX

Project Name: Jal #3 Field Scrubbers

Project Id:

Contact: Joel Lowry

Project Location: Jal, NM

Date Received in Lab: Wed Oct-18-17 04:30 pm

Report Date: 19-OCT-17

Project Manager: Kelsey Brooks

Analysis Requested													
	Lab Id:	565899-001		565899-002		565899-003							
	Field Id:	S. BGT ESWb		S. BGT WSWb		S. BGT Floo-@ 21							
	Depth:	15- ft		15- ft		21- ft							
	Matrix:	SOIL		SOIL		SOIL							
	Sampled:	Oct-18-17 14:25		Oct-18-17 14:30		Oct-18-17 14:35							
BTEX by EPA 8021B	***Extracted:***	Oct-18-17 17:00											
	Analyzed:	Oct-18-17 22:33											
	Units/RL:	mg/kg	RL										
Benzene		<0.196	0.196										
Toluene		2.85	0.196										
Ethylbenzene		2.65	0.196										
Xylenes, Total		9.49	0.196										
Total BTEX		14.99	0.196										
DRO-ORO By SW8015B	***Extracted:***	Oct-18-17 17:00		Oct-18-17 17:00		Oct-18-17 17:00							
	Analyzed:	Oct-18-17 21:05		Oct-18-17 21:42		Oct-18-17 22:19							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Diesel Range Organics (DRO)		3140	250	542	250	390	125						
Oil Range Hydrocarbons (ORO)		396	250	<250	250	<125	125						
TPH GRO by EPA 8015 Mod.	***Extracted:***	Oct-18-17 17:00		Oct-18-17 17:00		Oct-18-17 17:00							
	Analyzed:	Oct-18-17 22:33		Oct-19-17 00:20		Oct-19-17 00:47							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL						
TPH-GRO		687	39.3	61.0	8.00	272	7.77						

Kelsey Brooks
Project Manager

Analytical Report 565899

for

TRC Solutions, Inc

Project Manager: Joel Lowry

Jal #3 Field Scrubbers

19-OCT-17

Collected By: Client

6701 Aberdeen, Suite 9 Lubbock, TX 79424

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab code: TX01468):
Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

19-OCT-17

Project Manager: **Joel Lowry**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **565899**
Jal #3 Field Scrubbers
Project Address: Jal, NM

Joel Lowry:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 565899. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 565899 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Kelsey Brooks
Project Manager

Sample Cross Reference 565899

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S. BGT ESWb	S	10-18-17 14:25	15 ft	565899-001
S. BGT WSWb	S	10-18-17 14:30	15 ft	565899-002
S. BGT Floo-@ 21	S	10-18-17 14:35	21 ft	565899-003

Client Name: TRC Solutions, Inc

Project Name: Jal #3 Field Scrubbers

Project ID:
Work Order Number(s): *565899*

Report Date: *19-OCT-17*
Date Received: *10/18/2017*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3030812 BTEX by EPA 8021B
Sample 565899-001 was ran at a dilution due to hydrocarbons.

Batch: LBA-3030826 DRO-ORO By SW8015B
Surrogate n-Triacontane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 565899-003 S,565899-003 SD,565899-001,565899-002,565899-003.
Surrogate Tricosane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 565899-003 S,565899-003 SD,565899-003,565899-001,565899-002.

Certificate of Analytical Results 565899

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers

Sample Id:	**S. BGT ESWb**	Matrix:	Soil	Date Received:	10.18.17 16.30
Lab Sample Id:	565899-001	Date Collected:	10.18.17 14.25	Sample Depth:	15 ft

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030826				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**3140**	250	mg/kg	10.18.17 21.05		10
Oil Range Hydrocarbons (ORO)	PHCG2835	**396**	250	mg/kg	10.18.17 21.05		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	1490	%	65-144	10.18.17 21.05	**
n-Triacontane	638-68-6	504	%	46-152	10.18.17 21.05	**

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030812				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.196	0.196	mg/kg	10.18.17 22.33	U	10
Toluene	108-88-3	**2.85**	0.196	mg/kg	10.18.17 22.33		10
Ethylbenzene	100-41-4	**2.65**	0.196	mg/kg	10.18.17 22.33		10
Xylenes, Total	1330-20-7	**9.49**	0.196	mg/kg	10.18.17 22.33		10
Total BTEX		**14.99**	0.196	mg/kg	10.18.17 22.33		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	68-120	10.18.17 22.33	
a,a,a-Trifluorotoluene	98-08-8	100	%	71-121	10.18.17 22.33	

Certificate of Analytical Results 565899

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers

Sample Id:	**S. BGT ESWb**	Matrix:	Soil	Date Received:	10.18.17 16.30
Lab Sample Id:	565899-001	Date Collected:	10.18.17 14.25	Sample Depth:	15 ft
Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030804				

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**687**	39.3		mg/kg	10.18.17 22.33		10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	76-123	10.18.17 22.33	
a,a,a-Trifluorotoluene	98-08-8	98	%	69-120	10.18.17 22.33	

Certificate of Analytical Results 565899

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers

Sample Id:	**S. BGT WSWb**	Matrix:	Soil	Date Received:	10.18.17 16.30
Lab Sample Id:	565899-002	Date Collected:	10.18.17 14.30	Sample Depth:	15 ft

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030826				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**542**	250	mg/kg	10.18.17 21.42		10
Oil Range Hydrocarbons (ORO)	PHCG2835	<250	250	mg/kg	10.18.17 21.42	U	10

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	386	%	65-144	10.18.17 21.42	**
n-Triacontane	638-68-6	246	%	46-152	10.18.17 21.42	**

Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030804				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**61.0**	8.00	mg/kg	10.19.17 00.20		2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	76-123	10.19.17 00.20	
a,a,a-Trifluorotoluene	98-08-8	114	%	69-120	10.19.17 00.20	

Certificate of Analytical Results 565899

TRC Solutions, Inc, Midland, TX

Jal #3 Field Scrubbers

Sample Id:	**S. BGT Floo-@ 21**	Matrix:	Soil	Date Received:	10.18.17 16.30
Lab Sample Id:	565899-003	Date Collected:	10.18.17 14.35	Sample Depth:	21 ft

Analytical Method:	DRO-ORO By SW8015B			Prep Method:	SW8015P
Tech:	PGM			% Moisture:	
Analyst:	PGM	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030826				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Diesel Range Organics (DRO)	C10C28DRO	**390**	125	mg/kg	10.18.17 22.19		5
Oil Range Hydrocarbons (ORO)	PHCG2835	<125	125	mg/kg	10.18.17 22.19	U	5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Tricosane	638-67-5	288	%	65-144	10.18.17 22.19	**
n-Triacontane	638-68-6	158	%	46-152	10.18.17 22.19	**

Analytical Method:	TPH GRO by EPA 8015 Mod.			Prep Method:	SW5030B
Tech:	MIT			% Moisture:	
Analyst:	MIT	Date Prep:	10.18.17 17.00	Basis:	Wet Weight
Seq Number:	3030804				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**272**	7.77	mg/kg	10.19.17 00.47		2

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	76-123	10.19.17 00.47	
a,a,a-Trifluorotoluene	98-08-8	97	%	69-120	10.19.17 00.47	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 565899

TRC Solutions, Inc

Jal #3 Field Scrubbers

Analytical Method: DRO-ORO By SW8015B — Prep Method: SW8015P
Seq Number: 3030826 — Matrix: Solid — Date Prep: 10.19.17
MB Sample Id: 7632830-1-BLK — LCS Sample Id: 7632830-1-BKS — LCSD Sample Id: 7632830-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	<25.0	100	100	100	97.5	98	63-139	3	20	mg/kg	10.18.17 17:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
Tricosane	106		112		107		65-144	%	10.18.17 17:16
n-Triacontane	89		88		83		46-152	%	10.18.17 17:16

Analytical Method: DRO-ORO By SW8015B — Prep Method: SW8015P
Seq Number: 3030826 — Matrix: Soil — Date Prep: 10.18.17
Parent Sample Id: 565899-003 — MS Sample Id: 565899-003 S — MSD Sample Id: 565899-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Diesel Range Organics (DRO)	390	100	507	117	503	113	63-139	1	20	mg/kg	10.18.17 22:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
Tricosane	330	**	309	**	65-144	%	10.18.17 22:56
n-Triacontane	215	**	221	**	46-152	%	10.18.17 22:56

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3030812 — Matrix: Solid — Date Prep: 10.18.17
MB Sample Id: 7632835-1-BLK — LCS Sample Id: 7632835-1-BKS — LCSD Sample Id: 7632835-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0200	2.00	2.02	101	2.00	100	55-120	1	20	mg/kg	10.18.17 19:26	
Toluene	<0.0200	2.00	2.01	101	1.98	99	77-120	2	20	mg/kg	10.18.17 19:26	
Ethylbenzene	<0.0200	2.00	1.95	98	1.96	98	77-120	1	20	mg/kg	10.18.17 19:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	91		92		91		68-120	%	10.18.17 19:26
a,a,a-Trifluorotoluene	95		89		92		71-121	%	10.18.17 19:26

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3030812 — Matrix: Solid — Date Prep: 10.18.17
MB Sample Id: 7632835-1-BLK — LCS Sample Id: 7632835-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Xylenes, Total	0	6	5.88	98	71-133	mg/kg	10.18.17 19:26	

QC Summary 565899

TRC Solutions, Inc

Jal #3 Field Scrubbers

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B

Seq Number: 3030812 Matrix: Soil Date Prep: 10.18.17

Parent Sample Id: 565899-001 MS Sample Id: 565899-001 S MSD Sample Id: 565899-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.195	19.5	1.68	9	1.63	8	54-120	3	25	mg/kg	10.18.17 23:00	X
Toluene	2.85	19.5	4.04	6	3.98	6	57-120	1	25	mg/kg	10.18.17 23:00	X
Ethylbenzene	2.65	19.5	4.02	7	3.90	7	58-131	3	25	mg/kg	10.18.17 23:00	X
Xylenes, Total	9.49	58.6	13.83	7	13.6	7	71-133	0	20	mg/kg	10.18.17 23:00	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	100		90		68-120	%	10.18.17 23:00
a,a,a-Trifluorotoluene	98		100		71-121	%	10.18.17 23:00

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B

Seq Number: 3030804 Matrix: Solid Date Prep: 10.18.17

MB Sample Id: 7632837-1-BLK LCS Sample Id: 7632837-1-BKS LCSD Sample Id: 7632837-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<4.00	20.0	20.4	102	22.8	114	35-129	11	20	mg/kg	10.18.17 20:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	102		87		88		76-123	%	10.18.17 20:20
a,a,a-Trifluorotoluene	116		95		99		69-120	%	10.18.17 20:20

Analytical Method: **TPH GRO by EPA 8015 Mod.** Prep Method: SW5030B

Seq Number: 3030804 Matrix: Soil Date Prep: 10.18.17

Parent Sample Id: 565837-001 MS Sample Id: 565837-001 S MSD Sample Id: 565837-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	2490	990	2610	12	2630	14	35-129	1	20	mg/kg	10.19.17 03:26	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	104		107		76-123	%	10.19.17 03:26
a,a,a-Trifluorotoluene	110		114		69-120	%	10.19.17 03:26

XENCO LABORATORIES

Setting the Standard since 1990

CHAIN OF CUSTODY

Page 1 Of 1

Revision 2016.1

Stafford, TX (281) 240-4200 | Dallas, TX (214) 902-0300 | El Paso, TX (915) 585-3443 | Lubbock, TX (806) 794-1296 | Midland, TX (432) 704-5440 | San Antonio, TX (210) 509-3334 | Phoenix, AZ (480) 355-0900 | Service Center - Baton Rouge, LA (832) 712-8143 | Service Center- Amarillo, TX (806)678-4514 | Service Center- Hobbs, NM (575) 392-7550

www.xenco.com

565899

Xenco Quote #: DRO/ORO

Xenco Job #: 565899

Client / Reporting Information

Company Name / Branch: TRC Solutions

Company Address: 2057 Commerce

Email: jlowry@trcsolutions

Phone No:

Project Contact: J lowry

Samplers's Name: J. Lowry

Project Information

Project Name/Number: Jal #3 Field Scrubbers

Project Location: Jal, NM

Invoice To: ETC Field Services Co Rose Slade

PO Number:

Analytical Information: TPH 8015 M Ext GRO, DRO/ORO; BTEX 8021

No.	Field ID / Point of Collection	Sample Depth	Date	Time	Matrix	# of bottles	HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015 M Ext	BTEX 8021	Field Comments
1	S. BUT ESWb	15'	10/16/17	2:25	S	1									X	X	1
2	S. BGT WSWb	15'	↓	2:30	S	1									X		2
3	S. BGT Floor@21	21	↓	2:35	S	1									X		3
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW = Ground Water
DW = Drinking Water
P = Product
SW = Surface Water
SL - Sludge
OW = Ocean/Sea Water
WI = Wipe
O = Oil
WW = Waste Water
A = Air

Turnaround Time (Business days)

- [x] Same Day TAT
- [ ] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] Level II Report with TRRP checklist

Notes: Rush Verbals to Joel & Rose 432 940 5157

FED-EX / UPS: Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Relinquished by Sampler: [signature]		1	2		2
3 Relinquished by:		3	4		4
5 Relinquished by:		Received By: 5 Brenda Ward [signature]	Custody Seal #: 10/16/17 4:30 pm	Preserved where applicable	On Ice: ✓ Cooler Temp.: 4.4/4.3 Thermo. Corr. Factor: IR-3 -0.1

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the Client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample. These terms will be enforced unless previously negotiated under a fully executed client contract.

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 10/18/2017 04:30:33 PM

Work Order #: 565899

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-3

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**No**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brenda Ward Date: 10/18/2017
Brenda Ward

Checklist reviewed by: Kelsey Brooks Date: 10/19/2017
Kelsey Brooks

Photo 1: View of the "Field Scrubber Dump Tanks" prior to removal, facing north.

Photo 2: View of the "Field Scrubber Dump Tanks" prior to removal, facing northeast.

Photo 3: View of preparation to removal the northern field scrubber BGT.

Photo 4: View of the removal of the northern field scrubber BGT, facing east.

Photo 5: View of the bottom of the northern, steel field scrubber BGT.

Photo 6: View of the bottom of the northern, steel field scrubber BGT.

Photo 7: View of the former northern field scrubber BGT location.

Photo 8: View of the removal of the southern field scrubber BGT, facing northeast.

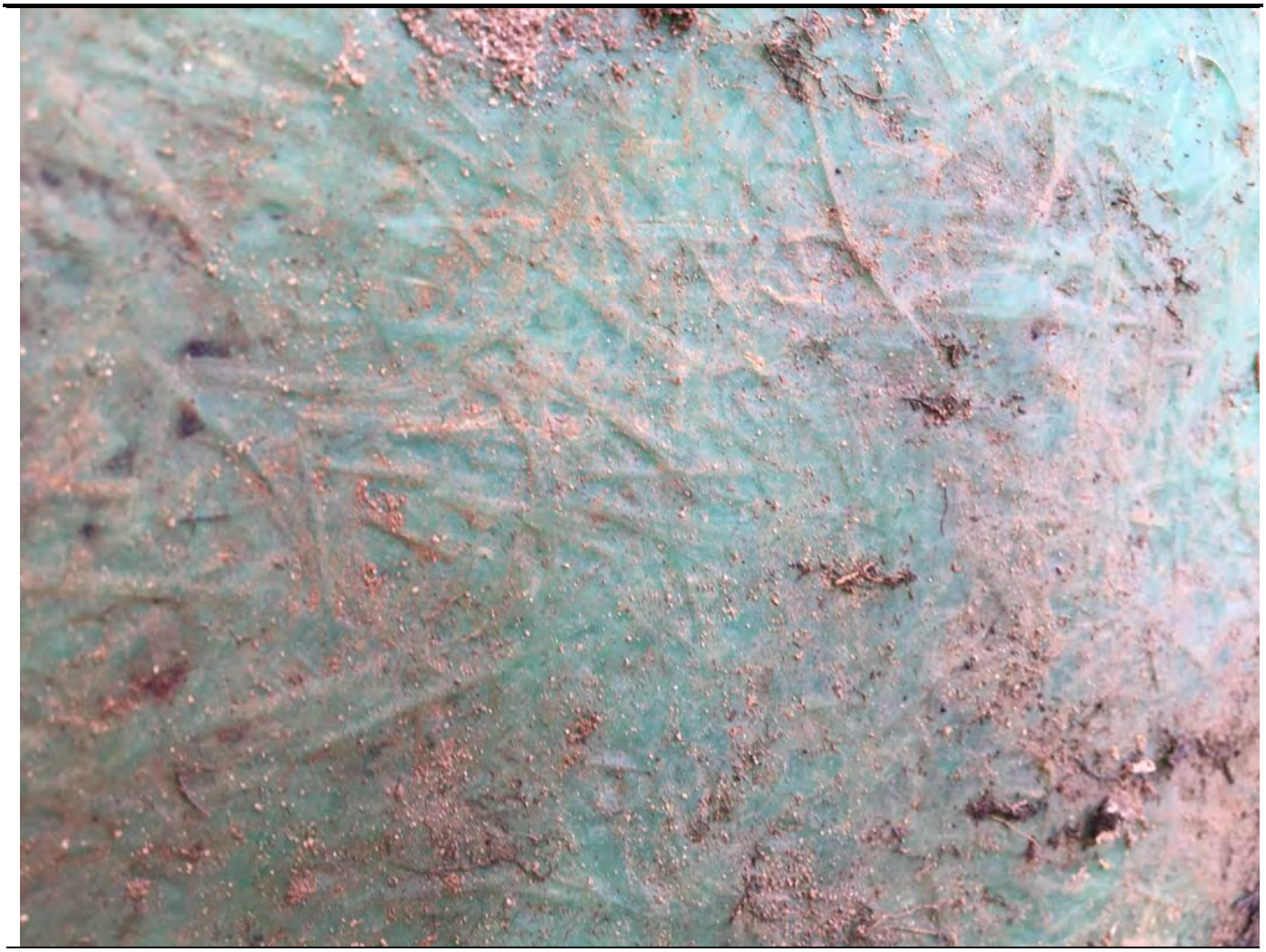

Photo 9: View of the bottom of the northern, fiberglass field scrubber BGT.

Photo 10: View of the bottom of the northern, fiberglass field scrubber BGT.

Photo 11: View of the former field scrubber BGT's location, facing north.

Photo 12: View of the former southern field scrubber BGT location.

Photo 13: View of excavation of affected soil adjacent to the southern BGT's former location, facing east.

Photo 14: View of Excavation A, facing northeast.

Photo 15: View of Excavation B, facing southeast.

Photo 16: View of Excavation C, facing west.

Photo 17: View of the Site after remediation activities, facing west.

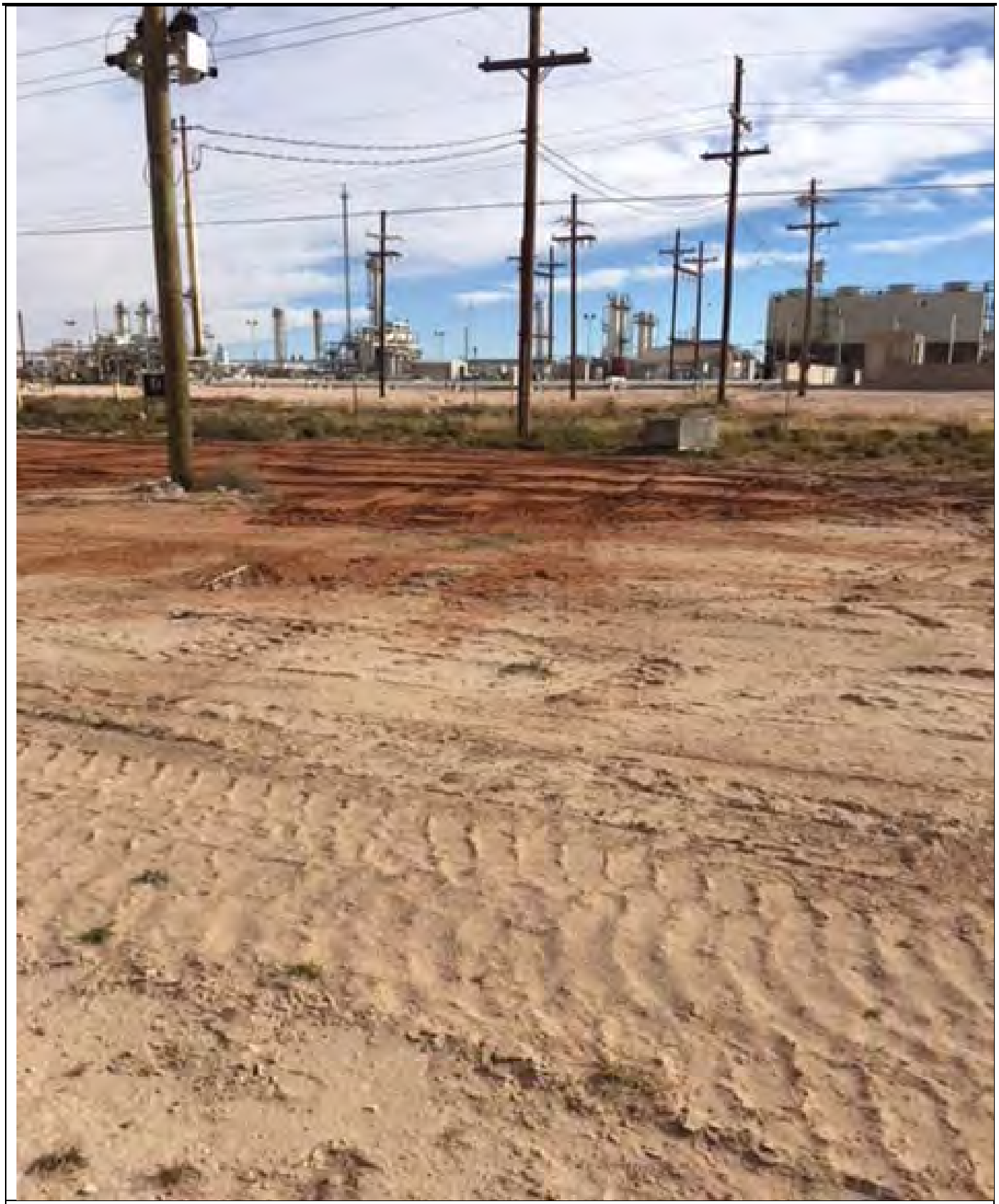

Photo 18: View of the Site after remediation activities, facing east.

Photo 18: View of the Site after remediation activities, facing northeast.

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 437402

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merrymon **TIME** 8:53 (AM) PM

DATE: 11-14-17 **VEHICLE NO:** 47 **GENERATOR COMPANY MAN'S NAME:** Rose Slade

CHARGE TO: ETC **RIG NAME AND NUMBER**

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Ernie Hernandez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Ballena
(SIGNATURE)

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TICKET No. 437424

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: [illegible] | TIME 10:[illegible] AM/PM

DATE: 11-14-17 VEHICLE NO: [illegible] GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC | RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate

[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out

[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 10 : [ ] ______

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DRIVER: [signature] Hernandez
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

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TICKET No. 437417

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merryman Inc

DATE: 11-14-17 **VEHICLE NO:** 47 **TIME:** 6:35 (AM/PM)

CHARGE TO: ETC **GENERATOR COMPANY MAN'S NAME:** Rose Starke

RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API #

VOLUME OF MATERIAL [ ] **BBLS.** _____: [X] **YARD** 10 : [ ] _____ **C-133#**

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: Jose Hernandez
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

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SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
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TICKET No. 437436

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 + tbt Scrubbers

TRANSPORTER COMPANY: Merry man Con

DATE: 11-14-17 **VEHICLE NO:** 475 **TIME** 2:00 AM (PM)

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC

RIG NAME AND NUMBER

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: O/D

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____

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: Eddie Hernandez
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

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TICKET No. 437416

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merryman Con.

DATE: 11-14-17 **VEHICLE NO:** 416 **TIME** 10:33 (AM)/PM

CHARGE TO: ETC **GENERATOR COMPANY MAN'S NAME:** Rose Slade

RIG NAME AND NUMBER

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: O/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. : [X] YARD 10 : [ ]

C-133#

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DRIVER: Claude Neal
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

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P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 437403

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merrimac Con.

DATE: 11-14-17 **VEHICLE NO:** 240 **TIME** 9:00 AM/PM

CHARGE TO: ETC **GENERATOR COMPANY MAN'S NAME:** Ross Slate

RIG NAME AND NUMBER

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: 0/0

RRC or API #

VOLUME OF MATERIAL [ ] **BBLS.** : [X] **YARD** 10 : [ ]

C-133#

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DRIVER: Claudio Vasquez
(SIGNATURE)

FACILITY REPRESENTATIVE: J Barrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

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TICKET No. 437425

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 tank battery

TRANSPORTER COMPANY: Downhole Con

DATE: 11-14-17 **VEHICLE NO:** 410 **TIME** 10:07 AM/PM

CHARGE TO: ETC **GENERATOR COMPANY MAN'S NAME:** Rose Slack

RIG NAME AND NUMBER

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: O/D

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 12 : [ ] _____ **C-133#**

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: Claudio Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

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SUNDANCE SERVICES, Inc.

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(575) 394-2511

TICKET No. 434040

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con
TIME 3:24 AM (PM)
DATE: 10-16-17 VEHICLE NO: 101
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

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(575) 394-2511

TICKET No. 434038

LEASE OPERATOR/SHIPPER/COMPANY: EOG

LEASE NAME: Jal #3 Field

TRANSPORTER COMPANY: Merryman Con.

DATE: 10-16-17 **VEHICLE NO:** 40 **TIME** 3:20 AM (PM)

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC

RIG NAME AND NUMBER

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: O/D

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Tony Carrasco
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434039

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field scrubbers
TRANSPORTER COMPANY: Merry mail Con
TIME 3:22 AM/PM
DATE: 10-16-17 VEHICLE NO: 05
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434027

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merryman Con

DATE: 10-16-17 **VEHICLE NO:** 04

TIME 1:23 AM (PM)

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC

RIG NAME AND NUMBER

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: OID

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434026

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Fidd Scrubbers
TRANSPORTER COMPANY: Merry Man Con.
TIME 1:22 AM/PM
DATE: 10-16-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate
[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out
[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Ignacio (SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.
P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434025

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Sal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con TIME 121 AM/PM
DATE: 10-16-17 VEHICLE NO: 50 GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate
[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out
[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: 9D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 10 : [ ] ______

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: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434024

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman Bro.
TIME	1:20 AM/PM
DATE: 10-16-17	VEHICLE NO: 340
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Tony Cisneros
(SIGNATURE)

FACILITY REPRESENTATIVE: S Barrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434013

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Com.
TIME 11:38 AM/PM
DATE: 10-16-17 VEHICLE NO: 01
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. : [X] YARD 10 : [ ]

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: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434012

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con
TIME 11:30 AM/PM
DATE: 10-16-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434011

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman Con — **TIME** 11:34 (AM)/PM
DATE: 10-16-17 **VEHICLE NO:** 56	**GENERATOR COMPANY MAN'S NAME** Rose Slade
CHARGE TO: ETC	**RIG NAME AND NUMBER**

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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DRIVER: Clark Mac
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434010

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman Con.
TIME	11:32 (AM)/PM
DATE:	10-16-17
VEHICLE NO:	46
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OIL

RRC or API #		**C-133#** Lea
VOLUME OF MATERIAL	[ ] **BBLS.** _____ :	[X] **YARD** 10 : [ ] _____

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DRIVER: Tony Cisneros
(SIGNATURE)

FACILITY REPRESENTATIVE: S Baheza
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 433994

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merryman Con

TIME 9:38 AM/PM

DATE: 10-16-17 VEHICLE NO: 46

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC

RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Tony Cisneros
(SIGNATURE)

FACILITY REPRESENTATIVE: S Barrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 433995

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con.
DATE: 10-16-17 VEHICLE NO: J 56
TIME 9:39 AM/PM
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: OID

RRC or API #
C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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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.

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DRIVER: Clark Mad
(SIGNATURE)

FACILITY REPRESENTATIVE: SBahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 433996

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con
DATE: 10-16-17 **VEHICLE NO:** 61
TIME: 9:41 AM/PM
GENERATOR COMPANY MAN'S NAME: Rose Stade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____: [X] **YARD** 10 : [ ] _____

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: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 433997

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con.
TIME 9:42 AM/PM
DATE: 10-16-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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.

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DRIVER: Ignacio Ba (SIGNATURE)

FACILITY REPRESENTATIVE: S Baeza (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434155

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merrymon Con
TIME 9:59 AM/PM
DATE: 10-17-17 VEHICLE NO: 01
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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.

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DRIVER: Joe Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: SBaheza
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434130

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman Con
TIME	8:19 AM/PM
DATE:	10-17-17
VEHICLE NO:	46
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # Lea C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434131

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merryman Con

DATE: 10-17-17 **VEHICLE NO:** 01 **TIME** 8:19 AM/PM

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC **RIG NAME AND NUMBER**

TYPE OF MATERIAL

- [ ] Production Water
- [ ] Tank Bottoms
- [ ] Solids
- [ ] Drilling Fluids
- [X] Contaminated Soil
- [ ] BS&W Content:
- [ ] Rinsate
- [ ] Jet Out
- [ ] Call Out

Description: O/D

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434132

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman Con
TIME:	8:21 (AM)/PM
DATE:	10-17-17
VEHICLE NO:	5
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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DRIVER: Jacobo Velazquez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bahena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434150

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Sal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman Con.
TIME:	9.43 (AM)/PM
DATE:	10-17-17
VEHICLE NO:	546
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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DRIVER: Maude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bakeua
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434156

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TRANSPORTER COMPANY: Merryman Con

TIME 10:07 AM/PM

DATE: 10-17-11 **VEHICLE NO:** 3

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC

RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate

[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out

[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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DRIVER: Jacobo Velazquez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Ballard
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434166

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Filed Scrubber
TRANSPORTER COMPANY:	Merrymon Co.
TIME	11:07 AM/PM
DATE: 10-17-17	**VEHICLE NO:** 46
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OID

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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: Jack Mash
(SIGNATURE)

FACILITY REPRESENTATIVE: S Baker
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434175

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field, Scrubbers

TRANSPORTER COMPANY: Merryman Con **TIME** 11:330 AM/PM

DATE: 10-17-17 **VEHICLE NO:** 0(**GENERATOR COMPANY MAN'S NAME:** Rose Slade

CHARGE TO: ETC **RIG NAME AND NUMBER**

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Joel Ruiz
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434179

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con.
TIME 11:51 AM/PM
DATE: 10-17-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Stone
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Jacobo Velazquez
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434186

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal # 3 Field Scrubbers.

TRANSPORTER COMPANY: Merryman Con

TIME 12:45 AM/PM

DATE: 10-17-17 **VEHICLE NO:** 46

GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC

RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate

[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out

[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: OIL

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: JBakewa
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434172

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con. TIME 1:00 AM/PM
DATE: 10-17-17 VEHICLE NO: 61 GENERATOR COMPANY MAN'S NAME: Rose Slade
RIG NAME AND NUMBER
CHARGE TO: ETC

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. : [X] YARD 10 : [ ]

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: Jose Perez (SIGNATURE)

FACILITY REPRESENTATIVE: (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434193

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal 3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Corr **TIME** 1:19 AM/PM
DATE: 10-17-17 **VEHICLE NO:** 50 **GENERATOR COMPANY MAN'S NAME:** Rose Slade
CHARGE TO: ETC **RIG NAME AND NUMBER**

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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.

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DRIVER: Jacobo Velazquez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Ballena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434220

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merry Man Loc. TIME 2:30 AM/PM
DATE: 10-17-17 VEHICLE NO. 40 GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Mandie Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434222

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con
TIME 2.50 AM/PM
DATE: 10-17-17 **VEHICLE NO:** 81
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API #
C-133#

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: _____
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434225

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merry Man Con.
TIME 3:04 AM (PM)
DATE: 10-17-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: OLD

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434240

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Jal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merry Man Con.
TIME	5:05 AM/PM
DATE: 10-17-17 **VEHICLE NO:**	01
GENERATOR COMPANY MAN'S NAME:	Rose Slade
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 : [ ] _____

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DRIVER: Jose Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bakeua
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434241

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Sal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con
TIME 5:07 AM/PM
DATE: 10-17-17 VEHICLE NO: 40
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: S Bakura
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434242

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Con
TIME 5:09 AM/PM
DATE 10-17-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Jacobo V. (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 34528

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jalmat Field Scrubbers
TRANSPORTER COMPANY: Mesquiman
TIME 12:32 AM/PM
DATE: 10-19-17 VEHICLE NO: 01
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OCD

RRC or API # NA C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 20 : [ ] _____

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: Joe Perez
(SIGNATURE)

FACILITY REPRESENTATIVE: Janet Lewis
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 34527

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Const.
TIME 12:31 AM/PM
DATE: 10-19-17 VEHICLE NO. 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OLD

RRC or API # Lea C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Jacobo V. (SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Hermore (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.
P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434478

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Fuel Scrubbers
TRANSPORTER COMPANY: Merryman TIME 8:22 AM/PM
DATE: 10-19-17 VEHICLE NO: 46 GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC RIG NAME AND NUMBER 432

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate
[ ] Tank Bottoms [X] Contaminated Soil [ ] Jet Out
[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: O/D

RRC or API # Lea C-133#

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 10 : [ ] ______

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Herrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434479

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Gal #3

TRANSPORTER COMPANY: Mcmyman Const. TIME 8:37 AM/PM

DATE: 10.19.17 VEHICLE NO: 84 GENERATOR COMPANY MAN'S NAME: Rose Slade

CHARGE TO: ETC RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OLD

RRC or API # Lea C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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: Jose Ruiz
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Hemer
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 134480

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Gal #3

TRANSPORTER COMPANY: Merryman Const. **TIME** 8:45 AM/PM

DATE: 10-19-17 **VEHICLE NO:** **GENERATOR COMPANY MAN'S NAME:** Rose Slade

CHARGE TO: ETC **RIG NAME AND NUMBER**

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: _____

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] **BBLS.** _____ : [X] **YARD** 10 Lg : [ ] _____

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: Jacobo V. *(SIGNATURE)*

FACILITY REPRESENTATIVE: Sarah Herrera *(SIGNATURE)*

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 134490

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Gal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman Const.
TIME 10:00 AM/PM
DATE: 10-19-17 VEHICLE NO: 416
GENERATOR COMPANY MAN'S NAME: Rose Stiles
CHARGE TO: ETC
RIG NAME AND NUMBER 432-940-5747

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Herrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 134494

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubber
TRANSPORTER COMPANY: Merryman Const. TIME 10:15 AM/PM
DATE: 10-19-17 VEHICLE NO: 01 GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OLD

RRC or API # NA C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Rose Slade
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434496

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Gal #3 Field Scrubbers
TRANSPORTER/COMPANY: Merryman Const.
TIME 10:19 AM/PM
DATE: 10-19-17 VEHICLE NO: 5
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER 432-940-5147

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: O/D

RRC or API # Lea C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Jacob V. (SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Herrera (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 134548

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Sal #3 Field Scrubber
TRANSPORTER COMPANY: Merryman
TIME: 1:41 AM/PM
DATE: 10-19-17 VEHICLE NO: 04
GENERATOR COMPANY MAN'S NAME: Luke Stone
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OD

RRC or API # C-133#

VOLUME OF MATERIAL [ ] BBLS. : [X] YARD 10 : [ ]

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DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: _____ (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434560

LEASE OPERATOR/SHIPPER/COMPANY: ETC

LEASE NAME: Jal #3 Field Scrubbers

TIME 2:11 AM/PM

TRANSPORTER COMPANY: Merryman

GENERATOR COMPANY MAN'S NAME: Pepe Slash

DATE: 10-19-17 VEHICLE NO. 5

RIG NAME AND NUMBER

CHARGE TO: ETC

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[✓] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: O/D

C-133#

RRC or API #

VOLUME OF MATERIAL [ ] BBLS. ______ : [X] YARD 10 : [ ] ______

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DRIVER: Jose Ruiz
(SIGNATURE)

FACILITY REPRESENTATIVE: [signature]
(SIGNATURE)

White - Sundance   Canary - Sundance Acct #1   Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 134569

LEASE OPERATOR/SHIPPER/COMPANY:	ETC
LEASE NAME:	Gal #3 Field Scrubbers
TRANSPORTER COMPANY:	Merryman
TIME	7:45 AM/PM
DATE:	10-19-17
VEHICLE NO.	46
GENERATOR COMPANY MAN'S NAME:	Rose Slaa
CHARGE TO:	ETC
RIG NAME AND NUMBER	

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OID

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Sloan
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 134542

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Jal #3 Field Scrubbers
TRANSPORTER COMPANY: Merryman
DATE: 10-19-17 VEHICLE NO. 46 TIME 1:06 AM/PM
GENERATOR COMPANY MAN'S NAME: Rose Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water
[ ] Tank Bottoms
[ ] Solids
[ ] Drilling Fluids
[X] Contaminated Soil
[ ] BS&W Content:
[ ] Rinsate
[ ] Jet Out
[ ] Call Out

Description: OLD

RRC or API #

C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Claude Nash
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Herrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

SUNDANCE SERVICES, Inc.

P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 434515

LEASE OPERATOR/SHIPPER/COMPANY: ETC
LEASE NAME: Gal #3 Field Scrubbers
TRANSPORTER COMPANY: Merrymen Const.
TIME: 11:27 AM/PM
DATE: 10-19-17 VEHICLE NO: 946
GENERATOR COMPANY MAN'S NAME: Rod Slade
CHARGE TO: ETC
RIG NAME AND NUMBER

TYPE OF MATERIAL

[ ] Production Water	[ ] Drilling Fluids	[ ] Rinsate
[ ] Tank Bottoms	[X] Contaminated Soil	[ ] Jet Out
[ ] Solids	[ ] BS&W Content:	[ ] Call Out

Description: OIL

RRC or API # Lea C-133#

VOLUME OF MATERIAL [ ] BBLS. _____ : [X] YARD 10 : [ ] _____

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DRIVER: Claude Nace
(SIGNATURE)

FACILITY REPRESENTATIVE: Sarah Herrera
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

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 Mexi
Energy Minerals and Natural

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

RECEIVED
By JKeyes at 9:45 am, Aug 22, 2016

Form C-141
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: **Energy Transfer Co. Field Services**	Contact: **Johnnie Bradford**
Address: **600 N. Marienfeld Street**	Telephone No. **(432) 250-5542 (cell) (817) 302-9812 (off)**
Facility Name: Jal3 Gas Plant	Facility Type: **Field Scrubber and Associated Tankage**

Surface Owner: New Mexico	Mineral Owner:	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	32	24S	37E	265	North	40	East	Lea

Latitude 32°10'23.34 N **Longitude** 103°10'34.38 W

NATURE OF RELEASE

Type of Release: Oil and Produced Water	Volume of Release: 20 bbls	Volume Recovered: 15 bbls
Source of Release: Field Scrubber and associated storage tankage.	Date and Hour of Occurrence: 08/03/2016 ~04:00	Date and Hour of Discovery: 08/03/2016 ~04:00
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour: N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

A water course was not effected during this release.

Describe Cause of Problem and Remedial Action Taken.*

The Jal3 Gas Plant was having problems with liquid carryover to inlet compression units causing unit shutdowns. It was noted that the field scrubber dump valve was not functioning properly at which time the bypass was opened to transfer the liquid in the field scrubber into storage tanks for offsite removal. Due to the volume of liquids, the storage tanks overtopped causing a loss of containment. The free liquid was immediately recovered via Vacuum Truck (~15 bbls). Area of contamination is being evaluated and remedial activities initiated.

Describe Area Affected and Cleanup Action Taken.*

The affected area is around the tanks with small areas of run off to the west and south of the tanks. Area will be remediated to NMOCD Recommended Remediation Action Levels (RRALs) by removing contaminated soil and back filling with uncontaminated soil. Contaminated soil will be disposed at an NMOCD approved landfill.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Johnnie Bradford	OIL CONSERVATION DIVISION	
Printed Name: **Johnnie Bradford**	Approved by Environmental Specialist:	
Title: **Sr. Environmental Specialist**	Approval Date: 08/22/2016	Expiration Date: 10/22/2016
E-mail Address: **johnnie.bradford@energytransfer.com**	Conditions of Approval: Discrete site samples only. Delineate and remediate per NMOCD guidelines.	Attached ☐ 1RP 4408
Date: 08/20/2016 Phone: (432) 250-5542		

* Attach Additional Sheets If Necessary

nJXK1623534870
pJXK1623535023

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-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: ETC Field Services OGRID #:

Address: 800 East Sonterra, San Antonio, TX, 78258

Facility or well name: Jal #3 Gas Plant - North Field Scrubber Dump Tank

API Number: OCD Permit Number: NA

U/L or Qtr/Qtr NE/SE Section 32 Township 24 S Range 37E County: Lea

Center of Proposed Design: Latitude 32.173178 Longitude -103.176506 NAD83

Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.

☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC

Temporary: ☐ Drilling ☐ Workover

☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no

☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

☐ String-Reinforced

Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.

☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: 210 bbl Type of fluid: Pipeline Liquids

Tank Construction material: Steel

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____

Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.

☐ **Alternative Method:**

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.

Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

Proposed Closure: 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature:_____ Date: _____

e-mail address:_____ Telephone: _____

18.

OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:**_____

19.

Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** November 28, 2017

20.

Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain. Closed in accordance with NMOCD-approved Closure Strategy

21.

Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Rose Slade Title: Senior Environmental Specialist

Signature: Rose Slade Date: 12/8/17

e-mail address: Rose.Slade@energytransfer.com Telephone: 210-403-6525 Ext. 6525

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-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: ETC Field Services OGRID #:

Address: 800 East Sonterra, San Antonio, TX, 78258

Facility or well name: Jal #3 Gas Plant - North Field Scrubber Dump Tank

API Number: OCD Permit Number: NA

U/L or Qtr/Qtr NE/SE Section 32 Township 24 S Range 37E County: Lea

Center of Proposed Design: Latitude 32.173122 Longitude -103.176511 NAD83

Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.

☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC

Temporary: ☐ Drilling ☐ Workover

☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no

☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

☐ String-Reinforced

Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.

☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: 210 bbl Type of fluid: Pipeline Liquids

Tank Construction material: Fiberglass

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____

Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.

☐ **Alternative Method:**

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.

Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.

Proposed Closure: 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature:_____ Date: _____

e-mail address:_____ Telephone: _____

18.

OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:**_____

19.

Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** November 28, 2017

20.

Closure Method:

☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain. Closed in accordance with NMOCD-approved Closure Strategy

21.

Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Rose Slade Title: Senior Environmental Specialist

Signature: Rose Slade Date: 12/8/14

e-mail address: Rose.Slade@energytransfer.com Telephone: 210-403-6525 Ext. 6525