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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Natural Gas Pipeline Co. of America LLC	OGRID 329155
Contact Name Glen Thompson	Contact Telephone (432) 333-5518
Contact email glen_thompson@kindermorgan.com	Incident # *(assigned by OCD)*
Contact mailing address 1550 Windway, Odessa, TX 79761	

Location of Release Source

Latitude 32.912382 Longitude -103.631349
(NAD 83 in decimal degrees to 5 decimal places)

Site Name NGPL's Maljamar CS 167	Site Type Natural gas transmission compressor station
Date Release Discovered 12/06/2019	API# *(if applicable)* N/A

Unit Letter	Section	Township	Range	County
B, G & H	23	16 South	33 East	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☒ Private (*Name:* Natural Gas Pipeline Co. of America LLC)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☒ Other (describe) Mix of condensate & used oil	Volume/Weight Released (provide units) Original estimate was approximately 500 gallons; revised estimate approximately 600 gallons.	Volume/Weight Recovered (provide units) None

Cause of Release On 12/06/2019 at approximately 11:30 a.m. MTN at the Natural Gas Pipeline Company of America LLC's (NGPL) compressor station, Maljamar CS 167, operations personnel discovered a hydrocarbon-impacted surface area in and adjacent to the facility. An emergency shutdown (ESD) event occurred at the facility the previous evening at 8:30 p.m. MTN. When the facility yard piping blew down, a mixture of condensate and used oil liquids misted from the blow down stack and the wind carried the mist from the facility yard in a southerly direction across the land surface adjacent to the station, Hwy. 82, and the other side of the highway. Initial observations estimated the surface impact to be approximately 115 ft. by 1,056 ft. with an estimated release amount of 500 gallons. A courtesy verbal notification was given to NMOCD District 1 Office in Hobbs NM at 4:57 p.m. MTN.

NGPL's environmental consultant conducted a surface evaluation and based on those field observations the estimated surface area impacted has been revised to approximately 115 ft. by 2,000 ft. with an estimated release volume of 600 gallons.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

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

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
NGPL has reviewed 3 different surface treatments with the NMOCD District 1 Office for the ground surface impacted by the hydrocarbon mist. NGPL intends to collect surface samples to define extent of surface impact and then apply the product, R3MEDIATE, to treat the surface and then follow-up with additional soil sampling to confirm completion of the remedial activities.

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

Printed Name: G.D. Thompson Title: Engineer – EHS Sr.

Signature: G.D. Thompson Date: 12/19/2019

email: glen_thompson@kindermorgan.com Telephone: (432) 333-5518

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

TRC

10 Desta Dr., Suite 150E
Midland, TX 79705

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SITE ACTIVITY SUMMARY & CLOSURE REQUEST

Natural Gas Pipeline Co. of America LLC
NGPL's Maljamar CS 167
Lea County, New Mexico
Unit Letters "B, G, and H", Section 23, Township 16 South, Range 33 East
Latitude 32.912382 ° North, Longitude 103.631349° West
NMOCD Reference No. nRM2003058419

Prepared For:

Natural Gas Pipeline Company of America LLC
1550 Windway Street
Odessa, Texas 79763

Prepared By:

TRC Environmental Corporation
10 Desta Drive, Suite 150E
Midland, Texas 79705

May 2021

Tania Babu
Environmental Scientist I

Jared E. Stoffel, P.G.
Project Manager

10 Desta Dr., Suite 150E
Midland, TX 79705
T 432.520.7720
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INTRODUCTION & BACKGROUND INFORMATION

TRC Environmental Corporation (TRC), on behalf of Natural Gas Pipeline Company of America LLC (NGPL), has prepared this *Site Activity Summary and Closure Request* for the Release Site known as the NGPL's Maljamar CS 167 Release Site (the Site). The legal description of the Site is Unit Letter "B", Section 23, Township 16 South, Range 33 East, in Lea County, New Mexico. The subject property is owned by the State of New Mexico and administered to by the New Mexico State Land Office (NMSLO). The GPS coordinates for the Site are N 32.912382°, W 103.631349°. A topographical map is provided as **Figure 1**. Photographs are provided in the photolog as **Appendix C**.

On December 6, 2019, NGPL discovered a release of a mixture of used oil and condensate had occurred at the Site. During a blowdown event, the mixture misted from the blow down stack, resulting in the Release. On the discovery date, NGPL notified the New Mexico Oil and Conservation Division (NMOCD) and NMSLO of the Release. The Release was assigned an NMOCD reference number of nRM2003058419. During initial response activities, a vacuum truck was dispatched to recover all freestanding fluids. On November 26, 2019, the initial Release Notification and Corrective Action (Form C-141) was submitted to the NMOCD. The Form C-141 indicated six-hundred (600) gallons of used oil and condensate mixture was released. As the Release was a mist, no fluids were recovered during initial response activities. The Release affected an area measuring approximately 230,000 square feet (sq. ft.). A copy of the submitted Form C-141 for the Release is provided in **Appendix A**.

A groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) identified two (2) registered water wells in Section 23, Township 16 South, Range 33 East. The water wells are located approximately three-fourths (0.74) of a mile south and approximately one (1) mile southwest of the Site. The NMOSE database indicates a reported depth to groundwater of approximately eighty (80) and approximately one-hundred and sixty (160) feet (ft) below ground surface (bgs), respectively. In addition, one (1) registered water well was located approximately six-tenths (0.60) miles northwest of the Site with an indicated depth to groundwater of approximately one-hundred and thirty (130) feet bgs. No water wells were observed within one thousand (1,000) ft of the Site. No surface water was observed within one thousand (1,000) ft of the Release. An aerial map with nearby water wells and floodplain data is provided as **Figure 2**.

For the purposes of determining NMOCD regulatory guidelines for the Release Site, the shallowest depth to groundwater as indicated by nearby registered wells will be utilized. Based on the inferred depth to groundwater at the NGPL's Maljamar CS 167 Release Site, the NMOCD *Closure Criteria for Soils Impacted by a Release* warrants the neither the most nor least stringent regulatory guidelines. In addition, the Maljamar CS 167 Release Site is located in the 'low karst' area as outlined in Bureau of Land Management (BLM) publicly available Karst Potential Map. The karst potential map is provided as **Figure 3**. Consequently, NGPL will utilize the NMOCD Closure Criteria for Soils Impacted by a Release for the Maljamar CS 167 Release Site as follows:

- Benzene – 10 mg/kg
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) – 50 mg/kg
- Gasoline Range Organics + Diesel Range Organics (GRO + DRO) – 1,000 mg/kg

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- Total Petroleum Hydrocarbons (TPH) – 2,500 mg/kg
- Chloride – 10,000 mg/kg

INITIAL SOIL INVESTIGATION

On February 18 and 25, 2020, an initial soil investigation was conducted at the Release Site. The Release was an overspray event, so any impacts above NMOCD regulatory guidelines were expected to be shallow. In addition, only condensate and used oil were released, so samples were only analyzed for BTEX and TPH.

On February 18, a total of ten (10) augerholes were advanced in the Release footprint to characterize vertical impacts to the Release Site. Hand auger refusal was met between six (6) and twelve (12) inches bgs across the Release site. Fifteen (15) soil samples (AH-1 @ 0-6", AH-1 @ 6-12", AH-2 @ 0-6", AH-2 @ 6-12", AH-3 @ 0-6", AH-3 @ 6-12", AH-4 @ 0-6"R, AH-5 @ 0-6"R, AH-6 @ 0-6", AH-6 @ 6-12", AH7 @ 0-6", AH7 @ 1', AH8 @ 0-6", AH9 @ 0-6", and AH-10 @ 0-6") were collected. In addition, twenty-two (22) samples (N1 @ 0-6", S1 @ 0-6", E1 @ 0-6", W1 @ 0-6", E2 @ 0-6", W2 @ 0-6", E3 @ 0-6", W3 @ 0-6", E4 @ 0-6", W4 @ 0-6", E5 @ 0-6", W5 @ 0-6", E6 @ 0-6", W6 @ 0-6", E7 @ 0-6", W7 @ 0-6", E8 @ 0-6", W8 @ 0-6", E9 @ 0-6", W9 @ 0-6", E10 @ 0-6", and W10 @ 0-6") were collected from immediately adjacent to the Release margins to determine the lateral extent of the Release. Collected soil samples were submitted to Xenco Laboratories in Carlsbad, NM for TPH and BTEX analyses by EPA 8015M and SW846-8021B, respectively. After a review of the analytical results, each submitted soil sample exhibited TPH and BTEX concentrations below NMOCD regulatory guidelines.

On February 25, 2020, six (6) investigation trenches were advanced utilizing a backhoe inside the Release footprint at sample locations with higher TPH concentrations, including sample locations AH-2, AH-3, AH-4, AH-5, AH7, and AH8, in order to confirm decreasing trend of TPH concentration with depth. Investigation trenches were advanced within ten (10) feet of the corresponding augerhole. Thirteen (13) soil samples (TT-2 @ 2', TT-2 @ 3', TT-2 @ 4', TT-2 @ 4'6"R, TT-3 @ 2', TT-3 @ 2'8"R, TT-4 @ 1', TT-4 @ 1'6"R, TT-5 @ 1', TT-5 @ 2'R, TT-7 @ 2'R, TT-8 @ 1', and TT-8 @ 2'R) were collected and submitted to the laboratory for TPH and BTEX analyses. Soil samples were collected with a shovel to a maximum depth of three (3) feet bgs. Samples collected from depths greater than approximately three (3) feet bgs were collected from the backhoe bucket. The analytical results indicated each submitted soil sample exhibited TPH and BTEX concentrations below NMOCD regulatory guidelines. In addition, each location showed decreasing trend of TPH concentration with depth with the exception of soil samples TT-2 @ 4' and TT-2 @ 4'6"R, which exhibited a TPH concentrations of 169 mg/kg and 73.3 mg/kg, respectively. Both soil samples TT-2 @ 4' and TT-4'6"R were collected from 4 – 4.5 feet bgs, which was sampled from the backhoe bucket. The two soil samples were the only two soil samples collected from the backhoe bucket during delineation activities at the Release Site. Based on the lack of impact at depth across the Release site, the Release mechanism of overspray, and the change in sampling techniques associated with depth, NGPL asserts the TPH concentrations exhibited by soil samples TT-2 @ 4' and TT-2 @ 4'6"R were likely due to 'sluff' from a stratigraphically shallower interval which was intermixed with the soil located at the base of the trench, resulting in an anomalously high concentration.

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A summary of the analytical results is presented in **Table 1**. The sample locations are depicted in **Figure 4**. A review of the summary of analytical results and the associated figure indicates the Release area is not impacted above NMOCD regulatory guidelines in any location within or outside the Release margins.

SITE REVISIT AND NATURAL ATTENUATION

Based on the laboratory analytical results from the soil samples collected in February 2020, the Release Site does not appear to be impacted above NMOCD regulatory guidelines for TPH and BTEX constituents. Following submission of a workplan to the NMOCD to address any staining remaining onsite, a site visit indicated the staining at the site from the overspray event was no longer present. TRC reached out to the NMOCD on November 20, 2020 to determine how to proceed towards closure, as the staining had naturally attenuated. Cristina Eads, of the NMOCD, indicated that the Site would need sampled for chlorides, but otherwise in the absence of staining the site could move toward closure.

On January 25, 2021, TRC personnel collected thirty-two (32) grab method soil samples from immediately adjacent to each of the original vertical and lateral sample locations utilizing a handauger (N-1A @ 0-6'', S-1A @ 0-6'', E-1A @ 0-6'', E-2A @ 0-6'', E-3A @ 0-6'', E-4A @ 0-6'', E-5A @ 0-6'', E-6A @ 0-6'', E-7A @ 0-6'', E-8A @ 0-6'', E-9A @ 0-6'', E-10A @ 0-6'', W-1A @ 0-6'', W-2A @ 0-6'', W-3A @ 0-6'', W-4A @ 0-6'', W-5A @ 0-6'', W-6A @ 0-6'', W-7A @ 0-6'', W-8A @ 0-6'', W-9A @ 0-6'', W-10A @ 0-6'', AH-1A @ 0-6'', AH-2A @ 0-6'', AH-3A @ 0-6'', AH-4A @ 0-6'', AH-5A @ 0-6'', AH-6A @ 0-6'', AH-7A @ 0-6'', AH-8A @ 0-6'', AH-9A @ 0-6'', and AH-10A @ 0-6''). Soil samples were submitted to Xenco Laboratories in Midland, TX for chloride analysis by EPA Method E300. A review of laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria for Soils Impacted by the Release for the Maljamar CS 167 Release Site. In addition, the site visit confirmed the lack of staining at the Site. Analytical results for the confirmation soil samples are summarized in **Table 1**. Photographic documentation of site activities is provided in **Appendix C**. Laboratory analytical reports are provided in **Appendix D**.

Based on the analytical data that indicates the Site is not impacted above NMOCD regulatory guidelines for TPH, BTEX, or chloride, as well as the lack of staining remaining from the overspray event, NGPL would like to request closure to the Maljimar CS167 Release Site.

LIMITATIONS

TRC has prepared this Site Activity Summary & 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

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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 Natural Gas Pipeline Company of America 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 Natural Gas Pipeline Company of America LLC.

DISTRIBUTION

Copy 1: Cristina Eads
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Copy 2: Ryan Mann
Hobbs Field Office
New Mexico State Land Office
914 North Linam Street
Hobbs, NM 88240

Copy 3: Glen Thompson
Natural Gas Pipeline Company of America LLC
1550 Windway Street
Odessa, Texas 79763

Copy 4: TRC Environmental Corporation
10 Desta Dr STE 150E
Midland, TX 79705

TABLE 1
Summary of Sampling Analytical Results
Concentrations of BTEX, TPH, and/or Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M					E300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Chloride
Lateral Delineation Samples											
N1 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	--
N-1A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	16.8
S1 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00196	<0.00196	<50.3	<50.3	<50.3	<50.3	<50.3	--
S-1A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	8.51
E1 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50	--
E-1A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	23.2
W1 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	--
W-1A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	7.36
E2 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	--
E-2A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	12.1
W2 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.1	<50.1	<50.1	<50.1	<50.1	--
W-2A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	13.0 X
E3 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	--
E-3A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.23
W3 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	--
W-3A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	12.6
E4 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50	--
E-4A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.89
W4 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	--
W-4A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	8.64
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

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Summary of Sampling Analytical Results
Concentrations of BTEX, TPH, and/or Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M					E300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Chloride
Lateral Delineation Samples (continued)											
E5 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	--
E-5A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	12.1
W5 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	--
W-5A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	10.7
E6 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	--
E-6A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	16.5
W6 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.3	66.5	66.5	<50.3	66.5	--
W-6A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.96
E7 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.3	<50.3	<50.3	<50.3	<50.3	--
E-7A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	10.3
W7 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50	--
W-7A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	12.6
E8 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.3	<50.3	<50.3	<50.3	<50.3	--
E-8A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	27.3
W8 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	--
W-8A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	10.9
E9 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	--
E-9A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	7.13
W9 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.1	<50.1	<50.1	<50.1	<50.1	--
W-9A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	8.31
E10 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	--
E-10A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	7.74
W10 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<49.8	<49.8	<49.8	<49.8	<49.8	--
W-10A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	8.84
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

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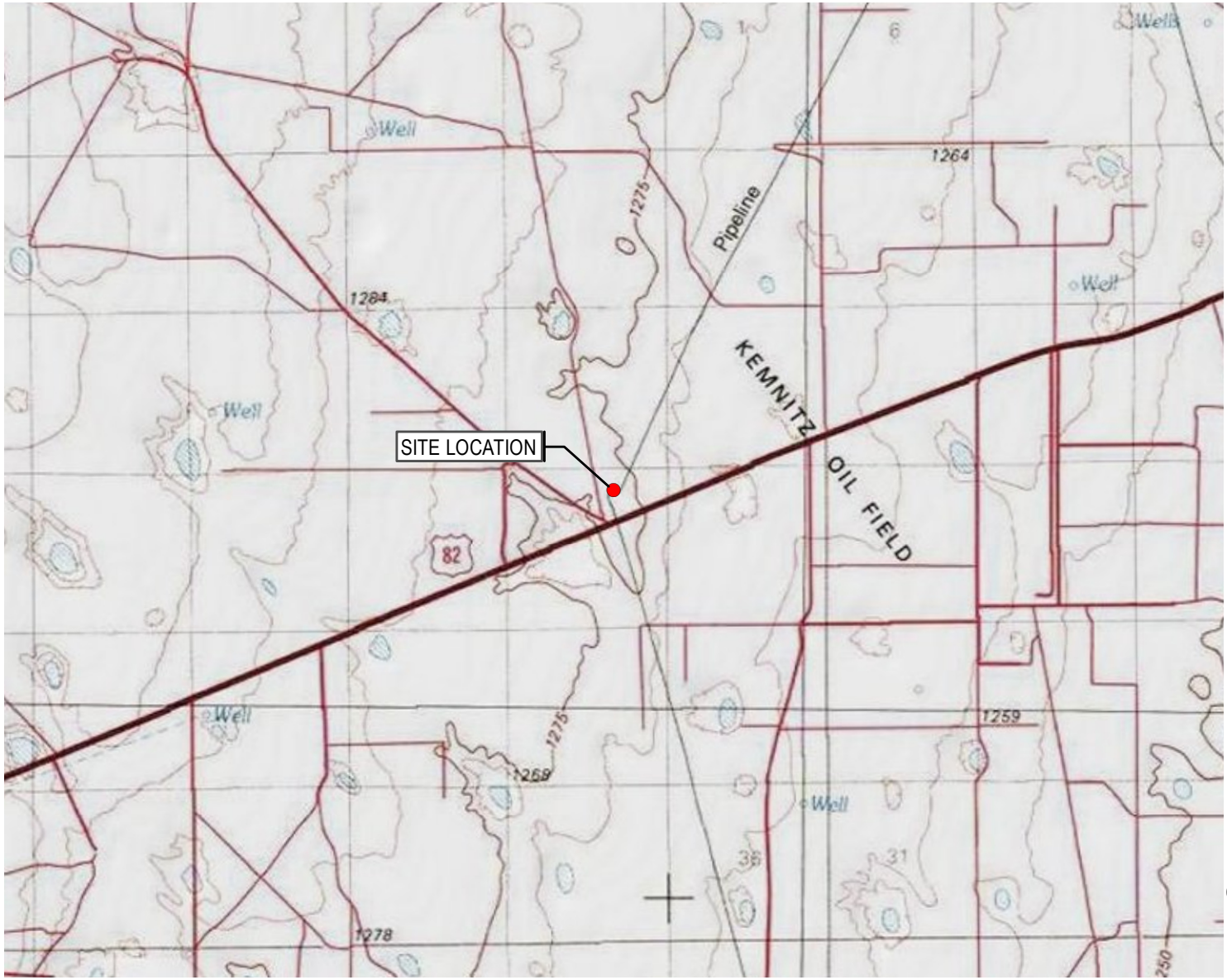
Summary of Sampling Analytical Results
Concentrations of BTEX, TPH, and/or Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M					E300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Chloride
Vertical Delineation Samples											
AH-1 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.00200	<50.1	343	343	120	463	--
AH-1 @ 6-12"	2/18/20	6-12"	In-Situ	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	--
AH-1A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	11.1
AH-2 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00208	<0.00208	<50.3	599	599	220	819	--
AH-2 @ 6-12"	2/18/20	6-12"	In-Situ	<0.00202	<0.00202	<50.3	209	209	69.9	278.9	--
TT-2 @ 2'	2/25/20	2'	In-Situ	<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	--
TT-2 @ 3'	2/25/20	3'	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	--
TT-2 @ 4'	2/25/20	4'	In-Situ	<0.00198	<0.00198	<49.8	118	118	51.0	169	--
TT-2 @ 4'6"R	2/25/20	4'6"	In-Situ	<0.00200	<0.002	<50.0	73.3	73.3	<50.0	73.3	--
AH-2A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	15.1
AH-3 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<49.9	837	837	345	1182	--
AH-3 @ 6-12"	2/18/20	6-12"	In-Situ	<0.00199	<0.00199	<50.2	755	755	304	1059	--
TT-3 @ 2'	2/25/20	2'	In-Situ	<0.00200	<0.002	<49.8	80.7	80.7	<49.8	80.7	--
TT-3 @ 2'8"R	2/25/20	2'8"	In-Situ	<0.00198	<0.00198	<49.9	60.3	60.3	<49.9	60.3	--
AH-3A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	19.1
AH-4 @ 0-6"R	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.2	859	859	310	1169	--
TT-4 @ 1'	2/25/20	1'	In-Situ	<0.00199	<0.00199	<49.9	50.3	50.3	<49.9	50.3	--
TT-4 @ 1'6"R	2/25/20	1'6"	In-Situ	<0.00200	<0.002	<50.0	92.4	92.4	<50.0	92.4	--
AH-4A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.86
AH-5 @ 0-6"R	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.1	555	555	233	788	--
TT-5 @ 1'	2/25/20	1'	In-Situ	<0.00200	<0.002	<49.9	<49.9	<49.9	<49.9	<49.9	--
TT-5 @ 2'R	2/25/20	2'	In-Situ	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	--
AH-5A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.79
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

TABLE 1
Summary of Sampling Analytical Results
Concentrations of BTEX, TPH, and/or Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M					E300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Chloride
Vertical Delineation Samples (continued)											
AH-6 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00200	<0.002	<50.3	598	598	223	821	--
AH-6 @ 6-12"	2/18/20	6-12"	In-Situ	<0.00200	<0.002	<49.9	92.9	92.9	<49.8	92.9	--
AH-6A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	10.8
AH7 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<50.3	105	105	<50.3	105	--
AH7@ 1'	2/18/20	6-12"	In-Situ	<0.00200	<0.00200	<49.9	121	121	79.0	200	--
TT-7 @ 2'	2/25/20	2'	In-Situ	<0.00200	<0.002	<50.0	<50.0	<50.0	<50.0	<50	--
AH-7A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	8.77
AH8 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00202	<0.00202	<50.0	176	176	65.9	241.9	--
TT-8 @ 1'	2/25/20	1'	In-Situ	<0.00199	<0.00199	<50.0	89.6	89.6	<50.0	89.6	--
TT-8 @ 2'R	2/25/20	2'	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	--
AH-8A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.06
AH9 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00199	<0.00199	<50.1	79.7	79.7	<50.1	79.7	--
AH-9A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	7.72
AH10 @ 0-6"	2/18/20	0-6"	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	--
AH-10A @ 0-6"	1/25/21	0-6"	In-Situ	--	--	--	--	--	--	--	9.41
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**1,000**	**-**	**2,500**	**10,000**

\\employees\gis\GIS\1-PROJECTS\KINDER MORGAN\NGPL_Maljamar_CS167\5-MXD\381472_1.mxd -- Saved By: CMCELROY on 3/2/2020, 11:04:38 AM



LEGEND

Site Location

BASEMAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES - BUCKEYE NW, NM.

N

0 0.5 1 MILE

1 " = 1 MILE

1:63,360

TRC

505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

TRC - GIS

PROJECT:

NGPL MALJAMAR CS 167
LEA COUNTY, NM

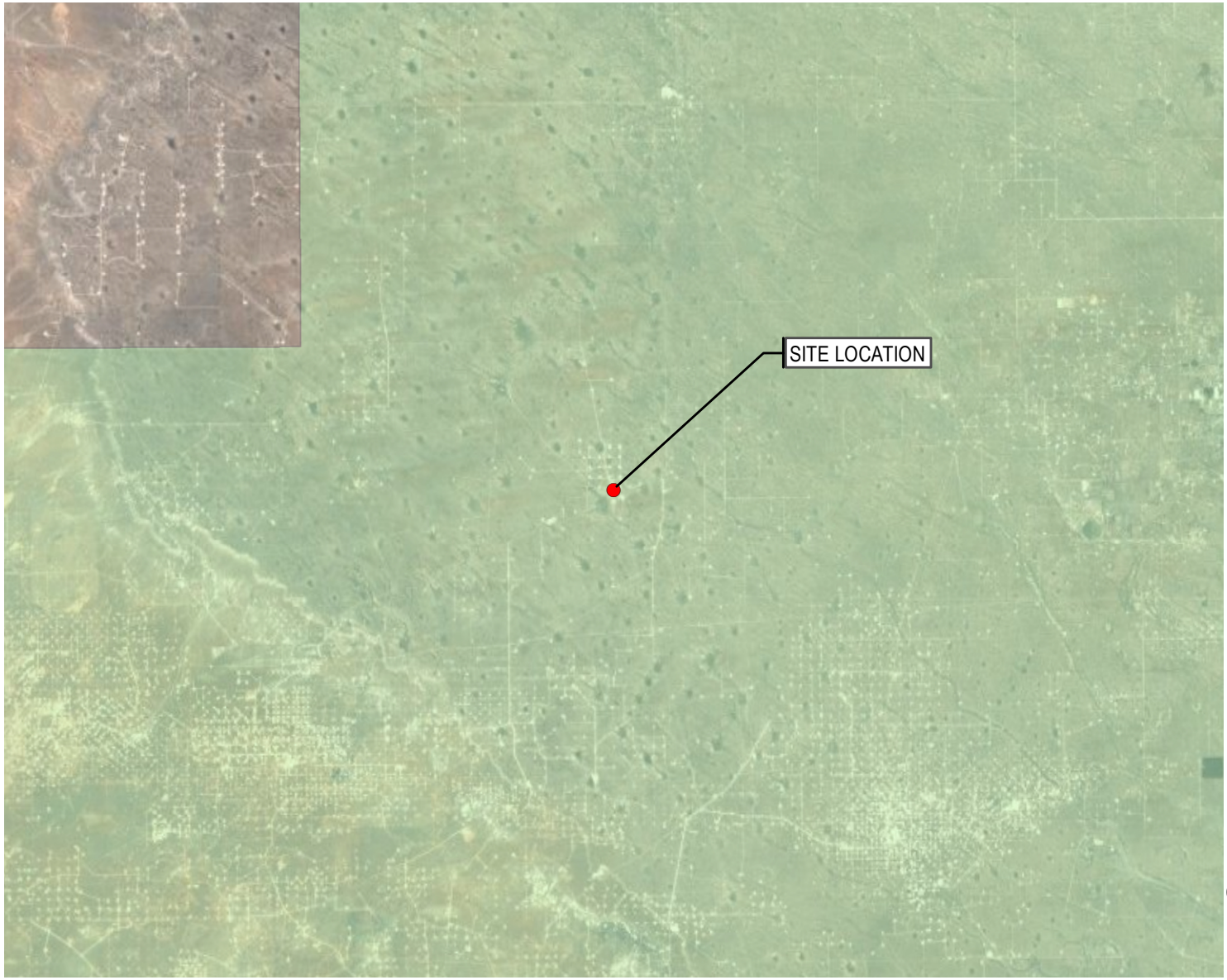
TITLE:

TOPOGRAPHIC MAP

DRAWN BY:	CMCELROY
CHECKED BY:	JSTOFFEL
APPROVED BY:	
DATE:	MARCH 2020
PROJ. NO.:	381472
FILE:	381472_1.mxd

FIGURE 1

\\employees\gis\GIS\1-PROJECTS\KINDER MORGAN\NGPL_Maljamar_CS167\5-MXD\381472_3.mxd -- Saved By: CMCELROY on 3/3/2020, 08:59:51 AM



LEGEND

- LOW KARST POTENTIAL
- MEDIUM KARST POTENTIAL
- HIGH KARST POTENTIAL

NO OTHER KARST POTENTIAL PRESENT AT THIS SCALE

SOURCES:
BASEMAP FROM GOOGLE EARTH PRO AND THEIR DATA PARTNERS (2/21/2019);
KARST DATA FROM NM BLM (APRIL 2018).

N

0 1 2
MILES

1 IN = 4 MILES

1:253,440

TRC

505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

TRC - GIS

PROJECT:

NGPL MALJAMAR CS 167
LEA COUNTY, NM

TITLE:

KARST POTENTIAL MAP

DRAWN BY:	CMCELROY
CHECKED BY:	JSTOFFEL
APPROVED BY:	
DATE:	MARCH 2020
PROJ. NO.:	381472
FILE:	381472_3.mxd

FIGURE 3

\\employees\gis\GIS\1-PROJECTS\KINDER MORGAN\NGPL_Maljamar_CS167\5-MXD\381472_2.mxd -- Saved By: CMCELROY on 3/3/2020, 08:54:38 AM

LEGEND

- Site Location
- Water Well
- 1/2 Mile Radius
- 100-Year- Floodplain (FEMA)

NO FEMA 100-YEAR FLOOD PLAIN PRESENT

SOURCES:
BASEMAP FROM GOOGLE EARTH PRO AND THEIR DATA PARTNERS (2/21/2019);
FEMA FLOOD PLAIN (2019);

N

0 2,000 4,000 FT

1 " = 2,000 FEET

1:24,000

TRC

TRC - GIS

PROJECT:

NGPL MALJAMAR CS 167
LEA COUNTY, NM

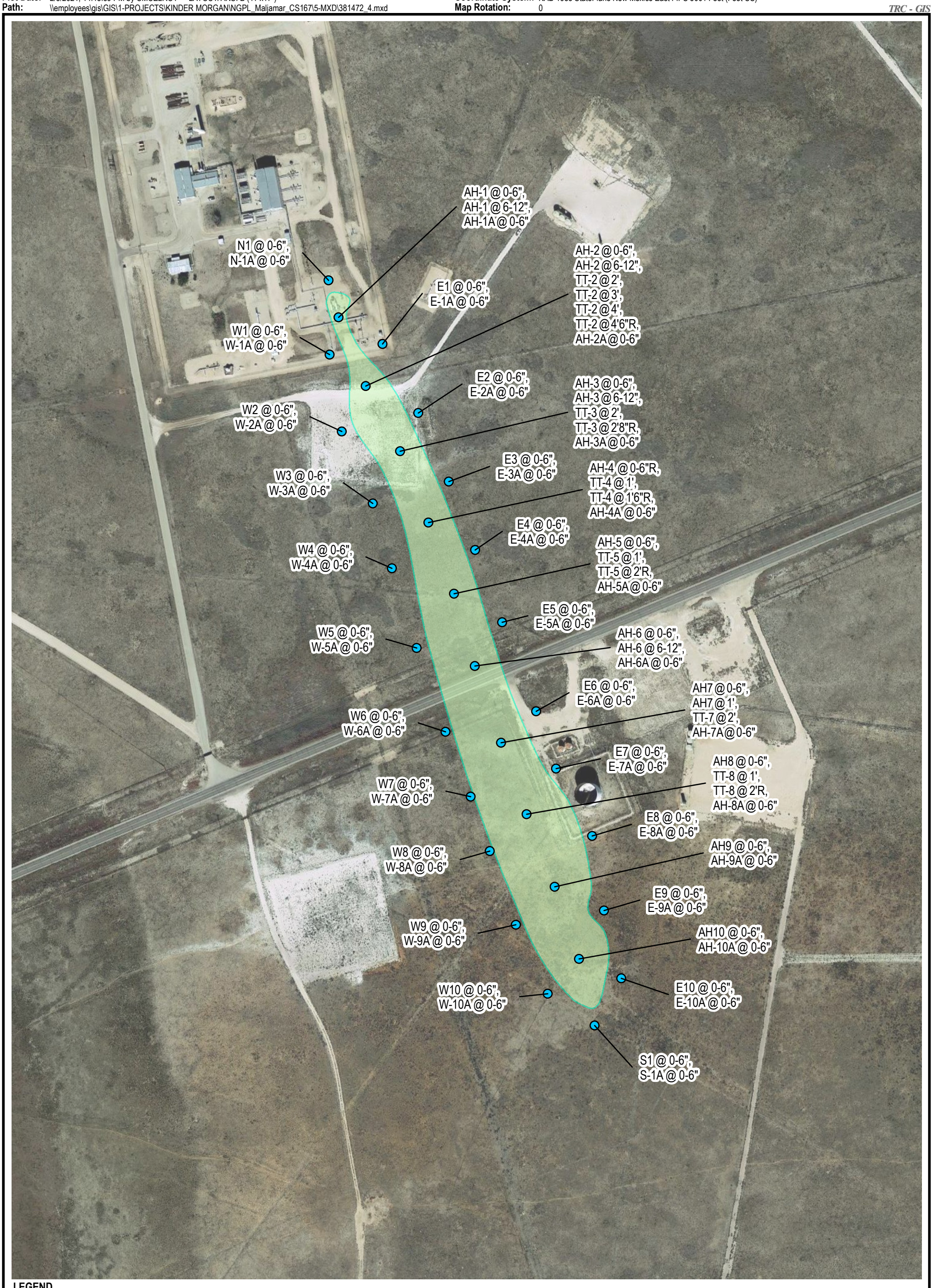
TITLE:

AERIAL MAP

DRAWN BY:	CMCELROY
CHECKED BY:	JSTOFFEL
APPROVED BY:	
DATE:	MARCH 2020
PROJ. NO.:	381472
FILE:	381472_2.mxd

FIGURE 2

Plot Date: 2/3/2021, 14:46:39 PM by CMCELROY -- LAYOUT: ANSI B (11"x17")
Path: \\employees\gis\GIS\1-PROJECTS\KINDER MORGAN\NGPL_Maljamar_CS167\5-MXD\381472_4.mxd
Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet (Foot US)
Map Rotation: 0



LEGEND

- Sample Location – No Samples Exhibited Concentrations Above NMOCD Regulatory Guidelines
- Release Area

0 125 250 FEET
1 " = 250 '
1:3,000

N

BASEMAP FROM GOOGLE EARTH PRO AND THEIR DATA PARTNERS (2/21/2019);

TRC
505 East Huntland Drive
Suite #250
Austin, TX 78752
Phone: 512.329.6080

PROJECT:
NGPL MALJAMAR CS 167
LEA COUNTY, NM

TITLE:
RELEASE AREA & SOIL SAMPLE LOCATION MAP

DRAWN BY:	C. MCELROY
CHECKED BY:	M. HORN
APPROVED BY:	
DATE:	FEBRUARY 2021
PROJ. NO.:	381472
FILE:	381472_4.mxd

FIGURE 4

10 Desta Dr., Suite 150E
Midland, TX 79705

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Appendix A: Release Notification and Corrective Action (Form C-141)

State of New Mexico
Oil Conservation Division

Incident ID	nRM2003058419
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	80 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nRM2003058419
District RP	
Facility ID	
Application ID	

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

Printed Name: Glen Thompson Title: Engineer – EHS Sr.

Signature: Glen Thompson Date: 04/29/2021

email: glen_thompson@kindermorgan.com Telephone: 432-333-5518

OCD Only

Received by: Date:

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2003058419
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Glen Thompson Title: Engineer - EHS Sr.

Signature: Glen Thompson Date: 04/29/2021

email: glen_thompson@kindermorgan.com Telephone: 432-333-5518

OCD Only

Received by: Cristina Eads Date: 05/07/2021

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

Closure Approved by: Cristina Eads Date: 07/21/2021

Printed Name: Cristina Eads Title: Environmental Specialist

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Midland, TX 79705

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Appendix B: Groundwater Database Results

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 628014.67 **Northing (Y):** 3642418.27 **Radius:** 805

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 05590	L	LE	3	3	3	14	16S	33E	627042	3642730*	1021	150	130	20
L 06072	L	LE		3	4	23	16S	33E	627969	3641236*	1183	163	80	83
L 06611	L	LE	3	3	3	23	16S	33E	627063	3641121*	1608	230	160	70

Average Depth to Water: **123 feet**

Minimum Depth: **80 feet**

Maximum Depth: **160 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 628014.67 **Northing (Y):** 3642418.27 **Radius:** 1610

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
L 06072	L	LE	3	4		23	16S	33E	627969	3641236*	163	80	83
L 06611	L	LE	3	3	3	23	16S	33E	627063	3641121*	230	160	70

Average Depth to Water: **120 feet**

Minimum Depth: **80 feet**

Maximum Depth: **160 feet**

Record Count: 2

PLSS Search:

Section(s): 23 **Township:** 16S **Range:** 33E

***UTM location was derived from PLSS - see Help**

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Midland, TX 79705

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Appendix C: General Photographs

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No. 1 **Date:** **2/18/2020** **Description:** **View of Release Site.**	
Photograph No. 2 **Date:** **2/18/2020** **Description:** **View of Release Site.**	

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No. 3 **Date:** **2/25/2020** **Description:** **View of Release Site.**	
Photograph No. 4 **Date:** **2/25/2020** **Description:** **View of Release Site.**	

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No. 5 **Date:** **2/25/2020** **Description:** **View of Release Site.**	
Photograph No. 6 **Date:** **2/25/2020** **Description:** **View of Release Site.**	

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No. 7 **Date:** **1/25/2021** **Description:** **View of naturally attenuated area.**	
Photograph No. 8 **Date:** **1/25/2021** **Description:** **View of naturally attenuated area.**	

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No. 9 **Date:** **1/25/2021** **Description:** **View of naturally attenuated area.**	
Photograph No. 10 **Date:** **1/25/2021** **Description:** **View of naturally attenuated area.**	

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No.11 **Date:** **1/25/2021** **Description: View of naturally attenuated area.**	
Photograph No. 12 **Date:** **1/25/2021** **Description: View of naturally attenuated area.**	

Maljamar CS 167 Release
Date: 3/4/2021

Photographic Documentation

Photograph No. 13 **Date:** **1/25/2021** **Description:** **View of naturally attenuated area.**	
Photograph No. 14 **Date:** **1/25/2021** **Description:** **View of naturally attenuated area.**	

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Midland, TX 79705

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Appendix D: Laboratory Analytical Reports

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue Feb-18-20 04:15 pm

Report Date: 19-FEB-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652839-001		652839-002		652839-004		652839-005		652839-006		652839-008	
	Field Id:	N1 @0-6"		AH-1 @0-6"		W-1 @ 0-6"		E-1 @ 0-6"		AH-2 @ 0-6"		AH-3 @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 09:25		Feb-18-20 09:35		Feb-18-20 09:50		Feb-18-20 09:55		Feb-18-20 10:10		Feb-18-20 10:20	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00		Feb-18-20 17:00	
	Analyzed:	Feb-19-20 00:36		Feb-19-20 00:56		Feb-19-20 01:17		Feb-19-20 01:37		Feb-19-20 01:57		Feb-19-20 02:18	
	Units/RL:	mg/kg	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	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208	<0.0200	0.0200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208	<0.0200	0.0200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208	<0.0200	0.0200
m,p-Xylenes		<0.00398	0.00398	<0.00401	0.00401	<0.00398	0.00398	<0.00402	0.00402	<0.0417	0.0417	<0.0400	0.0400
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208	<0.0200	0.0200
Xylenes, Total		<0.00199	0.00199	<0.002	0.002	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208	<0.02	0.02
Total BTEX		<0.00199	0.00199	<0.002	0.002	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208	<0.02	0.02
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15	
	Analyzed:	Feb-19-20 04:06		Feb-19-20 04:26		Feb-19-20 04:26		Feb-19-20 04:46		Feb-19-20 05:05		Feb-19-20 05:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.3	50.3	<49.9	49.9
Diesel Range Organics (DRO)		<50.2	50.2	343	50.1	<50.2	50.2	<50.0	50.0	599	50.3	837	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	120	50.1	<50.2	50.2	<50.0	50.0	220	50.3	345	49.9
Total TPH		<50.2	50.2	463	50.1	<50.2	50.2	<50	50	819	50.3	1182	49.9

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Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue Feb-18-20 04:15 pm

Report Date: 19-FEB-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652839-010		652839-011		652839-012		652839-014		652839-015		652839-016	
	Field Id:	AH-4 @ 0-6"R		AH-5 @ 0-6"R		AH-6 @ 0-6"		E2 @ 0-6"		E3 @ 0-6"		E4 @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 11:35		Feb-18-20 11:40		Feb-18-20 11:45		Feb-18-20 12:30		Feb-18-20 12:35		Feb-18-20 12:40	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00	
	Analyzed:	Feb-19-20 05:42		Feb-19-20 06:02		Feb-19-20 06:23		Feb-19-20 06:43		Feb-19-20 07:03		Feb-19-20 07:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00402	0.00402	<0.00400	0.00400	<0.00403	0.00403	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201
Xylenes, Total		<0.00201	0.00201	<0.00201	0.00201	<0.002	0.002	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00201	0.00201	<0.002	0.002	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15		Feb-18-20 17:15	
	Analyzed:	Feb-19-20 05:25		Feb-19-20 05:25		Feb-19-20 05:45		Feb-19-20 12:08		Feb-19-20 12:08		Feb-19-20 12:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.2	50.2	<50.0	50.0
Diesel Range Organics (DRO)		859	50.2	555	50.1	598	50.3	<50.2	50.2	<50.2	50.2	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		310	50.2	233	50.1	223	50.3	<50.2	50.2	<50.2	50.2	<50.0	50.0
Total TPH		1169	50.2	788	50.1	821	50.3	<50.2	50.2	<50.2	50.2	<50	50

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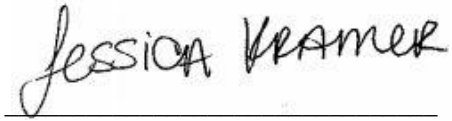

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:
Contact: Jared Stoffel
Project Location:

Date Received in Lab: Tue Feb-18-20 04:15 pm
Report Date: 19-FEB-20
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	652839-017		652839-018		652839-019		652839-020		652839-021	
	Field Id:	E5 @ 0-6"		W5 @ 0-6"		W4@ 0-6"		W3 @ 0-6"		W2@ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 12:50		Feb-18-20 13:05		Feb-18-20 13:15		Feb-18-20 13:20		Feb-18-20 13:25	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00	
	Analyzed:	Feb-19-20 07:44		Feb-19-20 08:05		Feb-19-20 08:25		Feb-19-20 08:45		Feb-19-20 09:47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00404	0.00404	<0.00402	0.00402	<0.00402	0.00402	<0.00400	0.00400	<0.00401	0.00401
o-Xylene		<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200
Xylenes, Total		<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.002	0.002	<0.002	0.002
Total BTEX		<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.002	0.002	<0.002	0.002
TPH by SW8015 Mod	***Extracted:***	Feb-18-20 17:15		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	Feb-19-20 12:28		Feb-19-20 07:04		Feb-19-20 07:44		Feb-19-20 07:44		Feb-19-20 08:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.1	50.1	<50.1	50.1	<50.0	50.0	<50.1	50.1
Total TPH		<50.3	50.3	<50.1	50.1	<50.1	50.1	<50	50	<50.1	50.1

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Jessica Kramer
Project Assistant

Final 1.000

Analytical Report 652839

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

CS 167 NGPL

19-FEB-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

19-FEB-20

Project Manager: **Jared Stoffel**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **652839**
CS 167 NGPL
Project Address:

Jared Stoffel:

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) 652839. 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. 652839 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,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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Sample Cross Reference 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
N1 @0-6"	S	02-18-20 09:25	0 - 6 In	652839-001
AH-1 @0-6"	S	02-18-20 09:35	0 - 6 In	652839-002
W-1 @ 0-6"	S	02-18-20 09:50	0 - 6 In	652839-004
E-1 @ 0-6"	S	02-18-20 09:55	0 - 6 In	652839-005
AH-2 @ 0-6"	S	02-18-20 10:10	0 - 6 In	652839-006
AH-3 @ 0-6"	S	02-18-20 10:20	0 - 6 In	652839-008
AH-4 @ 0-6"R	S	02-18-20 11:35	0 - 6 In	652839-010
AH-5 @ 0-6"R	S	02-18-20 11:40	0 - 6 In	652839-011
AH-6 @ 0-6"	S	02-18-20 11:45	0 - 6 In	652839-012
E2 @ 0-6"	S	02-18-20 12:30	0 - 6 In	652839-014
E3 @ 0-6"	S	02-18-20 12:35	0 - 6 In	652839-015
E4 @ 0-6"	S	02-18-20 12:40	0 - 6 In	652839-016
E5 @ 0-6"	S	02-18-20 12:50	0 - 6 In	652839-017
W5 @ 0-6"	S	02-18-20 13:05	0 - 6 In	652839-018
W4@ 0-6"	S	02-18-20 13:15	0 - 6 In	652839-019
W3 @ 0-6"	S	02-18-20 13:20	0 - 6 In	652839-020
W2@ 0-6"	S	02-18-20 13:25	0 - 6 In	652839-021
AH-1 @ 6-12"	S	02-18-20 09:40	6 - 12 In	Not Analyzed
AH-2@ 6-12"	S	02-18-20 10:15	6 - 12 In	Not Analyzed
AH-3@ 6-12"	S	02-18-20 10:25	6 - 12 In	Not Analyzed
AH-6@ 6-12"	S	02-18-20 11:50	6 - 12 In	Not Analyzed

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: CS 167 NGPL

Project ID:
Work Order Number(s): *652839*

Report Date: *19-FEB-20*
Date Received: *02/18/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116911 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117001 BTEX by EPA 8021B
Lab Sample ID 652839-010 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). m,p-Xylenes , o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 652839-010, -011, -012, -014, -015, -016, -017, -018, -019, -020, -021.
The Laboratory Control Sample for m,p-Xylenes , o-Xylene is within laboratory Control Limits, therefore the data was accepted.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**N1 @0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-001	Date Collected:	02.18.20 09.25	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 04.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 04.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 04.06	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 04.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.20 04.06	
o-Terphenyl	84-15-1	110	%	70-135	02.19.20 04.06	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 00.36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 00.36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 00.36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 00.36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 00.36	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 00.36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 00.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.19.20 00.36	
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.19.20 00.36	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id: **AH-1 @0-6"** Matrix: Soil Date Received:02.18.20 16.15

Lab Sample Id: 652839-002 Date Collected: 02.18.20 09.35 Sample Depth: 0 - 6 In

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.18.20 17.15 Basis: Wet Weight

Seq Number: 3116983

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 04.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	**343**	50.1	mg/kg	02.19.20 04.26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**120**	50.1	mg/kg	02.19.20 04.26		1
Total TPH	PHC635	**463**	50.1	mg/kg	02.19.20 04.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.19.20 04.26	
o-Terphenyl	84-15-1	105	%	70-135	02.19.20 04.26	

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

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.18.20 17.00 Basis: Wet Weight

Seq Number: 3116911

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 00.56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 00.56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 00.56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 00.56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 00.56	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 00.56	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 00.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.19.20 00.56	
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.19.20 00.56	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W-1 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-004	Date Collected:	02.18.20 09.50	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 04.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 04.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 04.26	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 04.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 04.26	
o-Terphenyl	84-15-1	111	%	70-135	02.19.20 04.26	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 01.17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 01.17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 01.17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 01.17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 01.17	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 01.17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 01.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	02.19.20 01.17	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.19.20 01.17	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E-1 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-005	Date Collected:	02.18.20 09.55	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 04.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 04.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 04.46	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.20 04.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 04.46	
o-Terphenyl	84-15-1	112	%	70-135	02.19.20 04.46	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 01.37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 01.37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 01.37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 01.37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 01.37	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 01.37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 01.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.19.20 01.37	
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.19.20 01.37	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id: **AH-2 @ 0-6"** Matrix: Soil Date Received:02.18.20 16.15

Lab Sample Id: 652839-006 Date Collected: 02.18.20 10.10 Sample Depth: 0 - 6 In

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.18.20 17.15 Basis: Wet Weight

Seq Number: 3116983

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 05.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	**599**	50.3	mg/kg	02.19.20 05.05		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**220**	50.3	mg/kg	02.19.20 05.05		1
Total TPH	PHC635	**819**	50.3	mg/kg	02.19.20 05.05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.19.20 05.05	
o-Terphenyl	84-15-1	113	%	70-135	02.19.20 05.05	

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

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.18.20 17.00 Basis: Wet Weight

Seq Number: 3116911

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0208	0.0208	mg/kg	02.19.20 01.57	U	1
Toluene	108-88-3	<0.0208	0.0208	mg/kg	02.19.20 01.57	U	1
Ethylbenzene	100-41-4	<0.0208	0.0208	mg/kg	02.19.20 01.57	U	1
m,p-Xylenes	179601-23-1	<0.0417	0.0417	mg/kg	02.19.20 01.57	U	1
o-Xylene	95-47-6	<0.0208	0.0208	mg/kg	02.19.20 01.57	U	1
Xylenes, Total	1330-20-7	<0.0208	0.0208	mg/kg	02.19.20 01.57	U	1
Total BTEX		<0.0208	0.0208	mg/kg	02.19.20 01.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.20 01.57	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.19.20 01.57	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-3 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-008	Date Collected:	02.18.20 10.20	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 05.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	**837**	49.9	mg/kg	02.19.20 05.05		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**345**	49.9	mg/kg	02.19.20 05.05		1
Total TPH	PHC635	**1182**	49.9	mg/kg	02.19.20 05.05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.19.20 05.05	
o-Terphenyl	84-15-1	111	%	70-135	02.19.20 05.05	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 17.00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0200	0.0200	mg/kg	02.19.20 02.18	U	1
Toluene	108-88-3	<0.0200	0.0200	mg/kg	02.19.20 02.18	U	1
Ethylbenzene	100-41-4	<0.0200	0.0200	mg/kg	02.19.20 02.18	U	1
m,p-Xylenes	179601-23-1	<0.0400	0.0400	mg/kg	02.19.20 02.18	U	1
o-Xylene	95-47-6	<0.0200	0.0200	mg/kg	02.19.20 02.18	U	1
Xylenes, Total	1330-20-7	<0.02	0.02	mg/kg	02.19.20 02.18	U	1
Total BTEX		<0.02	0.02	mg/kg	02.19.20 02.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.19.20 02.18	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.20 02.18	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-4 @ 0-6"R**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-010	Date Collected:	02.18.20 11.35	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 05.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	**859**	50.2	mg/kg	02.19.20 05.25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**310**	50.2	mg/kg	02.19.20 05.25		1
Total TPH	PHC635	**1169**	50.2	mg/kg	02.19.20 05.25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	02.19.20 05.25	
o-Terphenyl	84-15-1	125	%	70-135	02.19.20 05.25	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 05.42	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 05.42	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 05.42	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 05.42	UX	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 05.42	UX	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 05.42	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 05.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.20 05.42	
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.19.20 05.42	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-5 @ 0-6"R**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-011	Date Collected:	02.18.20 11.40	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 05.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	**555**	50.1	mg/kg	02.19.20 05.25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**233**	50.1	mg/kg	02.19.20 05.25		1
Total TPH	PHC635	**788**	50.1	mg/kg	02.19.20 05.25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.19.20 05.25	
o-Terphenyl	84-15-1	114	%	70-135	02.19.20 05.25	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 06.02	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 06.02	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 06.02	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 06.02	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 06.02	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 06.02	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 06.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.19.20 06.02	
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.20 06.02	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id: **AH-6 @ 0-6"** Matrix: Soil Date Received:02.18.20 16.15

Lab Sample Id: 652839-012 Date Collected: 02.18.20 11.45 Sample Depth: 0 - 6 In

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.18.20 17.15 Basis: Wet Weight

Seq Number: 3116983

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 05.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	**598**	50.3	mg/kg	02.19.20 05.45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**223**	50.3	mg/kg	02.19.20 05.45		1
Total TPH	PHC635	**821**	50.3	mg/kg	02.19.20 05.45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.20 05.45	
o-Terphenyl	84-15-1	112	%	70-135	02.19.20 05.45	

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

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.18.20 20.00 Basis: Wet Weight

Seq Number: 3117001

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 06.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 06.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 06.23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.20 06.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 06.23	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 06.23	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 06.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.20 06.23	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.20 06.23	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E2 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-014	Date Collected:	02.18.20 12.30	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 12.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 12.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 12.08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 12.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.19.20 12.08	
o-Terphenyl	84-15-1	108	%	70-135	02.19.20 12.08	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.20 06.43	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.20 06.43	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.20 06.43	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.19.20 06.43	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.20 06.43	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.20 06.43	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.20 06.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.19.20 06.43	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.19.20 06.43	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E3 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-015	Date Collected:	02.18.20 12.35	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 12.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 12.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 12.08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 12.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	02.19.20 12.08	
o-Terphenyl	84-15-1	114	%	70-135	02.19.20 12.08	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.20 07.03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.20 07.03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.20 07.03	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.20 07.03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.20 07.03	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.20 07.03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.20 07.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.19.20 07.03	
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.20 07.03	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id: **E4 @ 0-6"** Matrix: Soil Date Received:02.18.20 16.15

Lab Sample Id: 652839-016 Date Collected: 02.18.20 12.40 Sample Depth: 0 - 6 In

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.18.20 17.15 Basis: Wet Weight

Seq Number: 3116983

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 12.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 12.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 12.28	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.20 12.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 12.28	
o-Terphenyl	84-15-1	106	%	70-135	02.19.20 12.28	

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

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.18.20 20.00 Basis: Wet Weight

Seq Number: 3117001

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 07.24	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 07.24	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 07.24	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 07.24	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 07.24	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 07.24	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 07.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.20 07.24	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.19.20 07.24	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E5 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-017	Date Collected:	02.18.20 12.50	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 17.15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 12.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 12.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 12.28	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 12.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.20 12.28	
o-Terphenyl	84-15-1	110	%	70-135	02.19.20 12.28	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.20 07.44	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.20 07.44	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.20 07.44	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.20 07.44	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.20 07.44	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.20 07.44	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.20 07.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.19.20 07.44	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.19.20 07.44	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W5 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-018	Date Collected:	02.18.20 13.05	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 07.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 07.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 07.04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 07.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.20 07.04	
o-Terphenyl	84-15-1	106	%	70-135	02.19.20 07.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 08.05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 08.05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 08.05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 08.05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 08.05	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 08.05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 08.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.20 08.05	
4-Bromofluorobenzene	460-00-4	81	%	70-130	02.19.20 08.05	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W4@ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-019	Date Collected:	02.18.20 13.15	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 07.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 07.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 07.44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 07.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	02.19.20 07.44	
o-Terphenyl	84-15-1	125	%	70-135	02.19.20 07.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 08.25	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 08.25	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 08.25	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 08.25	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 08.25	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 08.25	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 08.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	88	%	70-130	02.19.20 08.25	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.19.20 08.25	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W3 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-020	Date Collected:	02.18.20 13.20	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 07.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 07.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 07.44	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.20 07.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 07.44	
o-Terphenyl	84-15-1	111	%	70-135	02.19.20 07.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 08.45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 08.45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 08.45	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.20 08.45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 08.45	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 08.45	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 08.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.19.20 08.45	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.19.20 08.45	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W2@ 0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.15
Lab Sample Id:	652839-021	Date Collected:	02.18.20 13.25	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 08.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 08.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 08.04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 08.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.20 08.04	
o-Terphenyl	84-15-1	110	%	70-135	02.19.20 08.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 09.47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 09.47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 09.47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 09.47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 09.47	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 09.47	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 09.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.19.20 09.47	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.20 09.47	

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696969-1-BLK — LCS Sample Id: 7696969-1-BKS — LCSD Sample Id: 7696969-1-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)	<50.0	1000	938	94	842	84	70-135	11	35	mg/kg	02.19.20 06:45	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	916	92	70-135	13	35	mg/kg	02.19.20 06:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		120		116		70-135	%	02.19.20 06:45
o-Terphenyl	97		115		105		70-135	%	02.19.20 06:45

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116983 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696957-1-BLK — LCS Sample Id: 7696957-1-BKS — LCSD Sample Id: 7696957-1-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)	<50.0	1000	824	82	934	93	70-135	13	35	mg/kg	02.19.20 02:27	
Diesel Range Organics (DRO)	<50.0	1000	895	90	999	100	70-135	11	35	mg/kg	02.19.20 02:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		114		117		70-135	%	02.19.20 02:27
o-Terphenyl	100		104		109		70-135	%	02.19.20 02:27

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696969-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.20 06:45	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116983 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696957-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.20 02:07	

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3116951 | Matrix: Soil | Date Prep: 02.18.20
Parent Sample Id: 652839-018 | MS Sample Id: 652839-018 S | MSD Sample Id: 652839-018 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)	<50.2	1000	1080	108	992	98	70-135	8	35	mg/kg	02.19.20 07:24	
Diesel Range Organics (DRO)	<50.2	1000	1190	119	1160	115	70-135	3	35	mg/kg	02.19.20 07:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		127		70-135	%	02.19.20 07:24
o-Terphenyl	130		123		70-135	%	02.19.20 07:24

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3116983 | Matrix: Soil | Date Prep: 02.18.20
Parent Sample Id: 652836-016 | MS Sample Id: 652836-016 S | MSD Sample Id: 652836-016 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)	<50.1	1000	912	91	897	90	70-135	2	35	mg/kg	02.19.20 02:46	
Diesel Range Organics (DRO)	<50.1	1000	1020	102	958	96	70-135	6	35	mg/kg	02.19.20 02:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		123		70-135	%	02.19.20 02:46
o-Terphenyl	123		109		70-135	%	02.19.20 02:46

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3116911 | Matrix: Solid | Date Prep: 02.18.20
MB Sample Id: 7696953-1-BLK | LCS Sample Id: 7696953-1-BKS | LCSD Sample Id: 7696953-1-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	0.124	124	0.122	122	70-130	2	35	mg/kg	02.18.20 17:28	
Toluene	<0.00200	0.100	0.115	115	0.113	113	70-130	2	35	mg/kg	02.18.20 17:28	
Ethylbenzene	<0.00200	0.100	0.110	110	0.109	109	71-129	1	35	mg/kg	02.18.20 17:28	
m,p-Xylenes	<0.00400	0.200	0.214	107	0.212	106	70-135	1	35	mg/kg	02.18.20 17:28	
o-Xylene	<0.00200	0.100	0.108	108	0.107	107	71-133	1	35	mg/kg	02.18.20 17:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		110		111		70-130	%	02.18.20 17:28
4-Bromofluorobenzene	94		89		92		70-130	%	02.18.20 17:28

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Final 1.000

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117001 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696954-1-BLK — LCS Sample Id: 7696954-1-BKS — LCSD Sample Id: 7696954-1-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	0.118	118	0.114	114	70-130	3	35	mg/kg	02.19.20 04:00	
Toluene	<0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	02.19.20 04:00	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0983	98	71-129	3	35	mg/kg	02.19.20 04:00	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.192	96	70-135	3	35	mg/kg	02.19.20 04:00	
o-Xylene	<0.00200	0.100	0.100	100	0.0982	98	71-133	2	35	mg/kg	02.19.20 04:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		111		111		70-130	%	02.19.20 04:00
4-Bromofluorobenzene	96		90		90		70-130	%	02.19.20 04:00

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3116911 — Matrix: Soil — Date Prep: 02.18.20
Parent Sample Id: 652818-014 — MS Sample Id: 652818-014 S — MSD Sample Id: 652818-014 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	0.123	123	0.117	116	70-130	5	35	mg/kg	02.18.20 18:09	
Toluene	<0.00200	0.100	0.123	123	0.107	106	70-130	14	35	mg/kg	02.18.20 18:09	
Ethylbenzene	<0.00200	0.100	0.116	116	0.0984	97	71-129	16	35	mg/kg	02.18.20 18:09	
m,p-Xylenes	<0.00400	0.200	0.226	113	0.190	94	70-135	17	35	mg/kg	02.18.20 18:09	
o-Xylene	<0.00200	0.100	0.114	114	0.0958	95	71-133	17	35	mg/kg	02.18.20 18:09	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		70-130	%	02.18.20 18:09
4-Bromofluorobenzene	93		91		70-130	%	02.18.20 18:09

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117001 — Matrix: Soil — Date Prep: 02.18.20
Parent Sample Id: 652839-010 — MS Sample Id: 652839-010 S — MSD Sample Id: 652839-010 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	0.0985	99	0.102	101	70-130	3	35	mg/kg	02.19.20 13:40	
Toluene	<0.00200	0.0998	0.0824	83	0.0850	84	70-130	3	35	mg/kg	02.19.20 13:40	
Ethylbenzene	<0.00200	0.0998	0.0720	72	0.0732	72	71-129	2	35	mg/kg	02.19.20 13:40	
m,p-Xylenes	<0.00399	0.200	0.138	69	0.139	69	70-135	1	35	mg/kg	02.19.20 13:40	X
o-Xylene	<0.00200	0.0998	0.0687	69	0.0689	68	71-133	0	35	mg/kg	02.19.20 13:40	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		111		70-130	%	02.19.20 13:40
4-Bromofluorobenzene	85		86		70-130	%	02.19.20 13:40

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 452839

www.xenco.com Page 1 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Gley Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStoffel@TRCCompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS 167 NGPL	Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24 Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	4.6	Thermometer ID	T-NM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	21

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX 8021	TPH 8015M	Hold Inst. from Jared	Sample Comments
	N1@0-6"	S	2/18/20	9:25	0-6"	1	X	X		
	AH-1@0-6"			9:35	0-6"	1	X	X		
	AH-1@6-12"			9:40	6-12"	1			X	
	W1@0-6"			9:50	0-6"	1	X	X		
	E1@0-6"			9:55	0-6"	1	X	X		
	AH-2@0-6"			10:10	0-6"	1	X	X		
	AH-2@6-12"			10:15	6-12"	1			X	
	AH-3@0-6"			10:20	0-6"	1	X	X		
	AH-3@6-12"			10:25	6-12"	1			X	
	AH-4@0-6" R			11:35	0-6"	1	X	X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 1615	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 452939

www.xenco.com Page 2 of 3

Project Manager:	Jared Staffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC - Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStaffel@TRCCompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS 167 NGPL	Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24 Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):		Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Total Containers:		

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX 8021B	TPH 8015M	Hold for inst from Jared	Sample Comments
	AH-5@0-6"R	S	2/13/20	11:40	0-6"	1		X	X		
	AH-6@0-6"			11:45	0-6"			X	X		
	AH-6@6-12"			11:50	6-12"					X	
	E2@0-6"			12:30	0-6"			X	X		
	E3@0-6"			12:35	0-6"			X	X		
	E4@0-6"			12:40	0-6"			X	X		
	E5@0-6"			12:50	0-6"			X	X		
	W5@0-6"			13:05	0-6"			X	X		
	W4@0-6"			13:15	0-6"			X	X		
	W3@0-6"			13:20	0-6"						

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 16:15	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
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Work Order No: 452839

Project Manager:	Jared Stoffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStoffel@TRCcompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS1167 NGPL	Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	Serp
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX 8021	TPH 8015 Mod	Sample Comments
	W2@0-6"	S	2/18/20	13:25	0-6"	1		X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 16:15	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 02.18.2020 04.15.00 PM

Work Order #: 652839

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

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?	**Yes**
#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: Elizabeth McClellan Date: 02.18.2020

Checklist reviewed by: Jessica Kramer Date: 02.19.2020

Jessica Kramer

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 02.18.2020 16:15

Report Date: 02.21.2020 11:36

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652839-001		652839-002		652839-003		652839-004		652839-005		652839-006	
	Field Id:	N1 @0-6"		AH-1 @0-6"		AH-1 @ 6-12"		W-1 @ 0-6"		E-1 @ 0-6"		AH-2 @ 0-6"	
	Depth:	0-6 In		0-6 In		6-12 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.18.2020 09:25		02.18.2020 09:35		02.18.2020 09:40		02.18.2020 09:50		02.18.2020 09:55		02.18.2020 10:10	
BTEX by EPA 8021B	***Extracted:***	02.18.2020 17:00		02.18.2020 17:00		02.20.2020 11:30		02.18.2020 17:00		02.18.2020 17:00		02.18.2020 17:00	
	Analyzed:	02.19.2020 00:36		02.19.2020 00:56		02.20.2020 14:15		02.19.2020 01:17		02.19.2020 01:37		02.19.2020 01:57	
	Units/RL:	mg/kg	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	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208
m,p-Xylenes		<0.00398	0.00398	<0.00401	0.00401	<0.00402	0.00402	<0.00398	0.00398	<0.00402	0.00402	<0.0417	0.0417
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208
Xylenes, Total		<0.00199	0.00199	<0.002	0.002	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208
Total BTEX		<0.00199	0.00199	<0.002	0.002	<0.00201	0.00201	<0.00199	0.00199	<0.00201	0.00201	<0.0208	0.0208
TPH by SW8015 Mod	***Extracted:***	02.18.2020 17:15		02.18.2020 17:15		02.20.2020 12:30		02.18.2020 17:15		02.18.2020 17:15		02.18.2020 17:15	
	Analyzed:	02.19.2020 04:06		02.19.2020 04:26		02.20.2020 14:33		02.19.2020 04:26		02.19.2020 04:46		02.19.2020 05:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<50.2	50.2	343	50.1	<50.3	50.3	<50.2	50.2	<50.0	50.0	599	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	120	50.1	<50.3	50.3	<50.2	50.2	<50.0	50.0	220	50.3
Total TPH		<50.2	50.2	463	50.1	<50.3	50.3	<50.2	50.2	<50	50	819	50.3

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 02.18.2020 16:15

Report Date: 02.21.2020 11:36

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652839-007		652839-008		652839-009		652839-010		652839-011		652839-012	
	Field Id:	AH-2@ 6-12"		AH-3 @ 0-6"		AH-3@ 6-12"		AH-4 @ 0-6"R		AH-5 @ 0-6"R		AH-6 @ 0-6"	
	Depth:	6-12 In		0-6 In		6-12 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.18.2020 10:15		02.18.2020 10:20		02.18.2020 10:25		02.18.2020 11:35		02.18.2020 11:40		02.18.2020 11:45	
BTEX by EPA 8021B	***Extracted:***	02.20.2020 11:30		02.18.2020 17:00		02.20.2020 11:30		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00	
	Analyzed:	02.20.2020 14:35		02.19.2020 02:18		02.20.2020 14:55		02.19.2020 05:42		02.19.2020 06:02		02.19.2020 06:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.0200	0.0200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.0200	0.0200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.0200	0.0200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00404	0.00404	<0.0400	0.0400	<0.00398	0.00398	<0.00402	0.00402	<0.00402	0.00402	<0.00400	0.00400
o-Xylene		<0.00202	0.00202	<0.0200	0.0200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Xylenes, Total		<0.00202	0.00202	<0.02	0.02	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.002	0.002
Total BTEX		<0.00202	0.00202	<0.02	0.02	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.002	0.002
TPH by SW8015 Mod	***Extracted:***	02.20.2020 12:30		02.18.2020 17:15		02.20.2020 12:30		02.18.2020 17:15		02.18.2020 17:15		02.18.2020 17:15	
	Analyzed:	02.20.2020 15:13		02.19.2020 05:05		02.20.2020 15:13		02.19.2020 05:25		02.19.2020 05:25		02.19.2020 05:45	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.1	50.1	<50.3	50.3
Diesel Range Organics (DRO)		209	50.3	837	49.9	755	50.2	859	50.2	555	50.1	598	50.3
Motor Oil Range Hydrocarbons (MRO)		69.9	50.3	345	49.9	304	50.2	310	50.2	233	50.1	223	50.3
Total TPH		278.9	50.3	1182	49.9	1059	50.2	1169	50.2	788	50.1	821	50.3

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 02.18.2020 16:15

Report Date: 02.21.2020 11:36

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652839-013		652839-014		652839-015		652839-016		652839-017		652839-018	
	Field Id:	AH-6@ 6-12"		E2 @ 0-6"		E3 @ 0-6"		E4 @ 0-6"		E5 @ 0-6"		W5 @ 0-6"	
	Depth:	6-12 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.18.2020 11:50		02.18.2020 12:30		02.18.2020 12:35		02.18.2020 12:40		02.18.2020 12:50		02.18.2020 13:05	
BTEX by EPA 8021B	***Extracted:***	02.20.2020 11:30		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00	
	Analyzed:	02.20.2020 15:16		02.19.2020 06:43		02.19.2020 07:03		02.19.2020 07:24		02.19.2020 07:44		02.19.2020 08:05	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00400	0.00400	<0.00403	0.00403	<0.00404	0.00404	<0.00402	0.00402	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Xylenes, Total		<0.002	0.002	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.002	0.002	<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
TPH by SW8015 Mod	***Extracted:***	02.20.2020 12:30		02.18.2020 17:15		02.18.2020 17:15		02.18.2020 17:15		02.18.2020 17:15		** ** ** **	
	Analyzed:	02.20.2020 15:33		02.19.2020 12:08		02.19.2020 12:08		02.19.2020 12:28		02.19.2020 12:28		02.19.2020 07:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.1	50.1
Diesel Range Organics (DRO)		92.9	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.1	50.1
Total TPH		92.9	49.8	<50.2	50.2	<50.2	50.2	<50	50	<50.3	50.3	<50.1	50.1

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Certificate of Analysis Summary 652839

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 NGPL

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 02.18.2020 16:15

Report Date: 02.21.2020 11:36

Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	652839-019		652839-020		652839-021				
	Field Id:	W4@ 0-6"		W3 @ 0-6"		W2@ 0-6"				
	Depth:	0-6 In		0-6 In		0-6 In				
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	02.18.2020 13:15		02.18.2020 13:20		02.18.2020 13:25				
BTEX by EPA 8021B	***Extracted:***	02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00				
	Analyzed:	02.19.2020 08:25		02.19.2020 08:45		02.19.2020 09:47				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200			
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200			
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200			
m,p-Xylenes		<0.00402	0.00402	<0.00400	0.00400	<0.00401	0.00401			
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200			
Xylenes, Total		<0.00201	0.00201	<0.002	0.002	<0.002	0.002			
Total BTEX		<0.00201	0.00201	<0.002	0.002	<0.002	0.002			
TPH by SW8015 Mod	***Extracted:***	** ** ** **		** ** ** **		** ** ** **				
	Analyzed:	02.19.2020 07:44		02.19.2020 07:44		02.19.2020 08:04				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.0	50.0	<50.1	50.1			
Diesel Range Organics (DRO)		<50.1	50.1	<50.0	50.0	<50.1	50.1			
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.0	50.0	<50.1	50.1			
Total TPH		<50.1	50.1	<50	50	<50.1	50.1			

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Analytical Report 652839

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

CS 167 NGPL

02.21.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

02.21.2020

Project Manager: **Jared Stoffel**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **652839**
CS 167 NGPL
Project Address:

Jared Stoffel:

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) 652839. 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. 652839 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,

John Builes
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
N1 @0-6"	S	02.18.2020 09:25	0 - 6 In	652839-001
AH-1 @0-6"	S	02.18.2020 09:35	0 - 6 In	652839-002
AH-1 @ 6-12"	S	02.18.2020 09:40	6 - 12 In	652839-003
W-1 @ 0-6"	S	02.18.2020 09:50	0 - 6 In	652839-004
E-1 @ 0-6"	S	02.18.2020 09:55	0 - 6 In	652839-005
AH-2 @ 0-6"	S	02.18.2020 10:10	0 - 6 In	652839-006
AH-2@ 6-12"	S	02.18.2020 10:15	6 - 12 In	652839-007
AH-3 @ 0-6"	S	02.18.2020 10:20	0 - 6 In	652839-008
AH-3@ 6-12"	S	02.18.2020 10:25	6 - 12 In	652839-009
AH-4 @ 0-6"R	S	02.18.2020 11:35	0 - 6 In	652839-010
AH-5 @ 0-6"R	S	02.18.2020 11:40	0 - 6 In	652839-011
AH-6 @ 0-6"	S	02.18.2020 11:45	0 - 6 In	652839-012
AH-6@ 6-12"	S	02.18.2020 11:50	6 - 12 In	652839-013
E2 @ 0-6"	S	02.18.2020 12:30	0 - 6 In	652839-014
E3 @ 0-6"	S	02.18.2020 12:35	0 - 6 In	652839-015
E4 @ 0-6"	S	02.18.2020 12:40	0 - 6 In	652839-016
E5 @ 0-6"	S	02.18.2020 12:50	0 - 6 In	652839-017
W5 @ 0-6"	S	02.18.2020 13:05	0 - 6 In	652839-018
W4@ 0-6"	S	02.18.2020 13:15	0 - 6 In	652839-019
W3 @ 0-6"	S	02.18.2020 13:20	0 - 6 In	652839-020
W2@ 0-6"	S	02.18.2020 13:25	0 - 6 In	652839-021

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: CS 167 NGPL

Project ID:
Work Order Number(s): *652839*

Report Date: *02.21.2020*
Date Received: *02.18.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116911 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117001 BTEX by EPA 8021B
Lab Sample ID 652839-010 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). m,p-Xylenes , o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 652839-010, -011, -012, -014, -015, -016, -017, -018, -019, -020, -021.
The Laboratory Control Sample for m,p-Xylenes , o-Xylene is within laboratory Control Limits, therefore the data was accepted.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117186 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**N1 @0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-001	Date Collected:	02.18.2020 09:25	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 04:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.2020 04:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.2020 04:06	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.2020 04:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.2020 04:06	
o-Terphenyl	84-15-1	110	%	70-135	02.19.2020 04:06	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 17:00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.2020 00:36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.2020 00:36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.2020 00:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.2020 00:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.2020 00:36	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.2020 00:36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.2020 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.19.2020 00:36	
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.19.2020 00:36	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-1 @0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-002	Date Collected:	02.18.2020 09:35	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 04:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	**343**	50.1	mg/kg	02.19.2020 04:26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**120**	50.1	mg/kg	02.19.2020 04:26		1
Total TPH	PHC635	**463**	50.1	mg/kg	02.19.2020 04:26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.19.2020 04:26	
o-Terphenyl	84-15-1	105	%	70-135	02.19.2020 04:26	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 17:00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 00:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 00:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 00:56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.2020 00:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 00:56	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 00:56	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.19.2020 00:56	
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.19.2020 00:56	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-1 @ 6-12"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-003	Date Collected:	02.18.2020 09:40	Sample Depth:	6 - 12 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.20.2020 12:30	Basis:	Wet Weight
Seq Number:	3117187				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.20.2020 14:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.20.2020 14:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.20.2020 14:33	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.20.2020 14:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.20.2020 14:33	
o-Terphenyl	84-15-1	101	%	70-135	02.20.2020 14:33	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.20.2020 11:30	Basis:	Wet Weight
Seq Number:	3117186				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.20.2020 14:15	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.20.2020 14:15	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.20.2020 14:15	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.20.2020 14:15	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.20.2020 14:15	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.20.2020 14:15	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.20.2020 14:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	02.20.2020 14:15	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.20.2020 14:15	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W-1 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-004	Date Collected:	02.18.2020 09:50	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 04:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.2020 04:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.2020 04:26	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.2020 04:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.2020 04:26	
o-Terphenyl	84-15-1	111	%	70-135	02.19.2020 04:26	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 17:00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.2020 01:17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.2020 01:17	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.2020 01:17	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.2020 01:17	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.2020 01:17	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.2020 01:17	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.2020 01:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	02.19.2020 01:17	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.19.2020 01:17	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E-1 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-005	Date Collected:	02.18.2020 09:55	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.2020 04:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.2020 04:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.2020 04:46	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.2020 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.2020 04:46	
o-Terphenyl	84-15-1	112	%	70-135	02.19.2020 04:46	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 17:00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 01:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 01:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 01:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 01:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 01:37	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 01:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 01:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.19.2020 01:37	
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.19.2020 01:37	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-2 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-006	Date Collected:	02.18.2020 10:10	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 05:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	**599**	50.3	mg/kg	02.19.2020 05:05		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**220**	50.3	mg/kg	02.19.2020 05:05		1
Total TPH	PHC635	**819**	50.3	mg/kg	02.19.2020 05:05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.19.2020 05:05	
o-Terphenyl	84-15-1	113	%	70-135	02.19.2020 05:05	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 17:00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0208	0.0208	mg/kg	02.19.2020 01:57	U	1
Toluene	108-88-3	<0.0208	0.0208	mg/kg	02.19.2020 01:57	U	1
Ethylbenzene	100-41-4	<0.0208	0.0208	mg/kg	02.19.2020 01:57	U	1
m,p-Xylenes	179601-23-1	<0.0417	0.0417	mg/kg	02.19.2020 01:57	U	1
o-Xylene	95-47-6	<0.0208	0.0208	mg/kg	02.19.2020 01:57	U	1
Xylenes, Total	1330-20-7	<0.0208	0.0208	mg/kg	02.19.2020 01:57	U	1
Total BTEX		<0.0208	0.0208	mg/kg	02.19.2020 01:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.2020 01:57	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.19.2020 01:57	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**AH-2@ 6-12"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-007	Date Collected:	02.18.2020 10:15	Sample Depth:	6 - 12 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.20.2020 12:30	Basis:	Wet Weight
Seq Number:	3117187				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.20.2020 15:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	**209**	50.3	mg/kg	02.20.2020 15:13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**69.9**	50.3	mg/kg	02.20.2020 15:13		1
Total TPH	PHC635	**278.9**	50.3	mg/kg	02.20.2020 15:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	02.20.2020 15:13	
o-Terphenyl	84-15-1	102	%	70-135	02.20.2020 15:13	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.20.2020 11:30	Basis:	Wet Weight
Seq Number:	3117186				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.20.2020 14:35	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.20.2020 14:35	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.20.2020 14:35	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.20.2020 14:35	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.20.2020 14:35	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.20.2020 14:35	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.20.2020 14:35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.20.2020 14:35	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.20.2020 14:35	

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CS 167 NGPL

Sample Id:	**AH-3 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-008	Date Collected:	02.18.2020 10:20	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.2020 05:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	**837**	49.9	mg/kg	02.19.2020 05:05		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**345**	49.9	mg/kg	02.19.2020 05:05		1
Total TPH	PHC635	**1182**	49.9	mg/kg	02.19.2020 05:05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.19.2020 05:05	
o-Terphenyl	84-15-1	111	%	70-135	02.19.2020 05:05	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 17:00	Basis:	Wet Weight
Seq Number:	3116911				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0200	0.0200	mg/kg	02.19.2020 02:18	U	1
Toluene	108-88-3	<0.0200	0.0200	mg/kg	02.19.2020 02:18	U	1
Ethylbenzene	100-41-4	<0.0200	0.0200	mg/kg	02.19.2020 02:18	U	1
m,p-Xylenes	179601-23-1	<0.0400	0.0400	mg/kg	02.19.2020 02:18	U	1
o-Xylene	95-47-6	<0.0200	0.0200	mg/kg	02.19.2020 02:18	U	1
Xylenes, Total	1330-20-7	<0.02	0.02	mg/kg	02.19.2020 02:18	U	1
Total BTEX		<0.02	0.02	mg/kg	02.19.2020 02:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	02.19.2020 02:18	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.2020 02:18	

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CS 167 NGPL

Sample Id:	**AH-3@ 6-12"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-009	Date Collected:	02.18.2020 10:25	Sample Depth:	6 - 12 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.20.2020 12:30	Basis:	Wet Weight
Seq Number:	3117187				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.20.2020 15:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	**755**	50.2	mg/kg	02.20.2020 15:13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**304**	50.2	mg/kg	02.20.2020 15:13		1
Total TPH	PHC635	**1059**	50.2	mg/kg	02.20.2020 15:13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.20.2020 15:13	
o-Terphenyl	84-15-1	109	%	70-135	02.20.2020 15:13	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.20.2020 11:30	Basis:	Wet Weight
Seq Number:	3117186				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.20.2020 14:55	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.20.2020 14:55	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.20.2020 14:55	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.20.2020 14:55	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.20.2020 14:55	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.20.2020 14:55	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.20.2020 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.20.2020 14:55	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.20.2020 14:55	

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CS 167 NGPL

Sample Id:	**AH-4 @ 0-6"R**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-010	Date Collected:	02.18.2020 11:35	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 05:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	**859**	50.2	mg/kg	02.19.2020 05:25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**310**	50.2	mg/kg	02.19.2020 05:25		1
Total TPH	PHC635	**1169**	50.2	mg/kg	02.19.2020 05:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	02.19.2020 05:25	
o-Terphenyl	84-15-1	125	%	70-135	02.19.2020 05:25	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 05:42	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 05:42	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 05:42	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 05:42	UX	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 05:42	UX	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 05:42	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 05:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.2020 05:42	
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.19.2020 05:42	

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CS 167 NGPL

Sample Id:	**AH-5 @ 0-6"R**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-011	Date Collected:	02.18.2020 11:40	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 05:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	**555**	50.1	mg/kg	02.19.2020 05:25		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**233**	50.1	mg/kg	02.19.2020 05:25		1
Total TPH	PHC635	**788**	50.1	mg/kg	02.19.2020 05:25		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.19.2020 05:25	
o-Terphenyl	84-15-1	114	%	70-135	02.19.2020 05:25	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 06:02	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 06:02	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 06:02	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 06:02	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 06:02	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 06:02	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 06:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.19.2020 06:02	
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.2020 06:02	

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Sample Id:	**AH-6 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-012	Date Collected:	02.18.2020 11:45	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 05:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	**598**	50.3	mg/kg	02.19.2020 05:45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**223**	50.3	mg/kg	02.19.2020 05:45		1
Total TPH	PHC635	**821**	50.3	mg/kg	02.19.2020 05:45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.2020 05:45	
o-Terphenyl	84-15-1	112	%	70-135	02.19.2020 05:45	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 06:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 06:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 06:23	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.2020 06:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 06:23	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 06:23	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 06:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.19.2020 06:23	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.2020 06:23	

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Sample Id:	**AH-6@ 6-12"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-013	Date Collected:	02.18.2020 11:50	Sample Depth:	6 - 12 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.20.2020 12:30	Basis:	Wet Weight
Seq Number:	3117187				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.20.2020 15:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	**92.9**	49.8	mg/kg	02.20.2020 15:33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.20.2020 15:33	U	1
Total TPH	PHC635	**92.9**	49.8	mg/kg	02.20.2020 15:33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.20.2020 15:33	
o-Terphenyl	84-15-1	97	%	70-135	02.20.2020 15:33	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.20.2020 11:30	Basis:	Wet Weight
Seq Number:	3117186				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.20.2020 15:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.20.2020 15:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.20.2020 15:16	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.20.2020 15:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.20.2020 15:16	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.20.2020 15:16	U	1
Total BTEX		<0.002	0.002	mg/kg	02.20.2020 15:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.20.2020 15:16	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.20.2020 15:16	

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CS 167 NGPL

Sample Id:	**E2 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-014	Date Collected:	02.18.2020 12:30	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.19.2020 12:08	
o-Terphenyl	84-15-1	108	%	70-135	02.19.2020 12:08	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.2020 06:43	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.2020 06:43	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.2020 06:43	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.19.2020 06:43	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.2020 06:43	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.2020 06:43	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.2020 06:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.19.2020 06:43	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.19.2020 06:43	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E3 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-015	Date Collected:	02.18.2020 12:35	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.2020 12:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	02.19.2020 12:08	
o-Terphenyl	84-15-1	114	%	70-135	02.19.2020 12:08	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.2020 07:03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.2020 07:03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.2020 07:03	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.2020 07:03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.2020 07:03	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.2020 07:03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.2020 07:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.19.2020 07:03	
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.2020 07:03	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E4 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-016	Date Collected:	02.18.2020 12:40	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.2020 12:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.2020 12:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.2020 12:28	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.2020 12:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.2020 12:28	
o-Terphenyl	84-15-1	106	%	70-135	02.19.2020 12:28	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 07:24	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 07:24	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 07:24	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 07:24	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 07:24	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 07:24	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 07:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.2020 07:24	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.19.2020 07:24	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**E5 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-017	Date Collected:	02.18.2020 12:50	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 17:15	Basis:	Wet Weight
Seq Number:	3116983				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 12:28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.2020 12:28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.2020 12:28	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.2020 12:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.2020 12:28	
o-Terphenyl	84-15-1	110	%	70-135	02.19.2020 12:28	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.2020 07:44	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.2020 07:44	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.2020 07:44	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.2020 07:44	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.2020 07:44	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.2020 07:44	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.2020 07:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.19.2020 07:44	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.19.2020 07:44	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W5 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-018	Date Collected:	02.18.2020 13:05	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 07:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.2020 07:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.2020 07:04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.2020 07:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.19.2020 07:04	
o-Terphenyl	84-15-1	106	%	70-135	02.19.2020 07:04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 08:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 08:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 08:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 08:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 08:05	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 08:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 08:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.2020 08:05	
4-Bromofluorobenzene	460-00-4	81	%	70-130	02.19.2020 08:05	

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TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W4@ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-019	Date Collected:	02.18.2020 13:15	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 07:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.2020 07:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.2020 07:44	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.2020 07:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	02.19.2020 07:44	
o-Terphenyl	84-15-1	125	%	70-135	02.19.2020 07:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 08:25	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 08:25	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 08:25	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 08:25	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 08:25	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 08:25	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 08:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	88	%	70-130	02.19.2020 08:25	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.19.2020 08:25	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W3 @ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-020	Date Collected:	02.18.2020 13:20	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.2020 07:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.2020 07:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.2020 07:44	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.2020 07:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.2020 07:44	
o-Terphenyl	84-15-1	111	%	70-135	02.19.2020 07:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 08:45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 08:45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 08:45	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.2020 08:45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 08:45	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 08:45	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 08:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.19.2020 08:45	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.19.2020 08:45	

Certificate of Analytical Results 652839

TRC Solutions, Inc, Midland, TX

CS 167 NGPL

Sample Id:	**W2@ 0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:15
Lab Sample Id:	652839-021	Date Collected:	02.18.2020 13:25	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 08:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.2020 08:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.2020 08:04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.2020 08:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.19.2020 08:04	
o-Terphenyl	84-15-1	110	%	70-135	02.19.2020 08:04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 09:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 09:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 09:47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.2020 09:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 09:47	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 09:47	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 09:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.19.2020 09:47	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.19.2020 09:47	

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. **ND** Not Detected.

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696969-1-BLK — LCS Sample Id: 7696969-1-BKS — LCSD Sample Id: 7696969-1-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)	<50.0	1000	938	94	842	84	70-135	11	35	mg/kg	02.19.2020 06:45	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	916	92	70-135	13	35	mg/kg	02.19.2020 06:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		120		116		70-135	%	02.19.2020 06:45
o-Terphenyl	97		115		105		70-135	%	02.19.2020 06:45

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116983 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696957-1-BLK — LCS Sample Id: 7696957-1-BKS — LCSD Sample Id: 7696957-1-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)	<50.0	1000	824	82	934	93	70-135	13	35	mg/kg	02.19.2020 02:27	
Diesel Range Organics (DRO)	<50.0	1000	895	90	999	100	70-135	11	35	mg/kg	02.19.2020 02:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		114		117		70-135	%	02.19.2020 02:27
o-Terphenyl	100		104		109		70-135	%	02.19.2020 02:27

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117187 — Matrix: Solid — Date Prep: 02.20.2020
MB Sample Id: 7697163-1-BLK — LCS Sample Id: 7697163-1-BKS — LCSD Sample Id: 7697163-1-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)	<50.0	1000	897	90	895	90	70-135	0	35	mg/kg	02.20.2020 14:13	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	974	97	70-135	5	35	mg/kg	02.20.2020 14:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		114		105		70-135	%	02.20.2020 14:13
o-Terphenyl	94		118		104		70-135	%	02.20.2020 14:13

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696969-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.2020 06:45	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Solid Date Prep: 02.18.2020
MB Sample Id: 7696957-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.2020 02:07	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3117187 Matrix: Solid Date Prep: 02.20.2020
MB Sample Id: 7697163-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.20.2020 14:13	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116951 Matrix: Soil Date Prep: 02.18.2020
Parent Sample Id: 652839-018 MS Sample Id: 652839-018 S MSD Sample Id: 652839-018 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)	<50.2	1000	1080	108	992	98	70-135	8	35	mg/kg	02.19.2020 07:24	
Diesel Range Organics (DRO)	<50.2	1000	1190	119	1160	115	70-135	3	35	mg/kg	02.19.2020 07:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		127		70-135	%	02.19.2020 07:24
o-Terphenyl	130		123		70-135	%	02.19.2020 07:24

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3116983 Matrix: Soil Date Prep: 02.18.2020
Parent Sample Id: 652836-016 MS Sample Id: 652836-016 S MSD Sample Id: 652836-016 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)	<50.1	1000	912	91	897	90	70-135	2	35	mg/kg	02.19.2020 02:46	
Diesel Range Organics (DRO)	<50.1	1000	1020	102	958	96	70-135	6	35	mg/kg	02.19.2020 02:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		123		70-135	%	02.19.2020 02:46
o-Terphenyl	123		109		70-135	%	02.19.2020 02:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3117187 Matrix: Soil Date Prep: 02.20.2020
Parent Sample Id: 652839-003 MS Sample Id: 652839-003 S MSD Sample Id: 652839-003 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)	<50.2	1000	933	93	914	92	70-135	2	35	mg/kg	02.20.2020 14:53	
Diesel Range Organics (DRO)	<50.2	1000	987	99	1050	105	70-135	6	35	mg/kg	02.20.2020 14:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		117		70-135	%	02.20.2020 14:53
o-Terphenyl	109		110		70-135	%	02.20.2020 14:53

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3116911 Matrix: Solid Date Prep: 02.18.2020
MB Sample Id: 7696953-1-BLK LCS Sample Id: 7696953-1-BKS LCSD Sample Id: 7696953-1-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	0.124	124	0.122	122	70-130	2	35	mg/kg	02.18.2020 17:28	
Toluene	<0.00200	0.100	0.115	115	0.113	113	70-130	2	35	mg/kg	02.18.2020 17:28	
Ethylbenzene	<0.00200	0.100	0.110	110	0.109	109	71-129	1	35	mg/kg	02.18.2020 17:28	
m,p-Xylenes	<0.00400	0.200	0.214	107	0.212	106	70-135	1	35	mg/kg	02.18.2020 17:28	
o-Xylene	<0.00200	0.100	0.108	108	0.107	107	71-133	1	35	mg/kg	02.18.2020 17:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		110		111		70-130	%	02.18.2020 17:28
4-Bromofluorobenzene	94		89		92		70-130	%	02.18.2020 17:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3117001 Matrix: Solid Date Prep: 02.18.2020
MB Sample Id: 7696954-1-BLK LCS Sample Id: 7696954-1-BKS LCSD Sample Id: 7696954-1-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	0.118	118	0.114	114	70-130	3	35	mg/kg	02.19.2020 04:00	
Toluene	<0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	02.19.2020 04:00	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0983	98	71-129	3	35	mg/kg	02.19.2020 04:00	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.192	96	70-135	3	35	mg/kg	02.19.2020 04:00	
o-Xylene	<0.00200	0.100	0.100	100	0.0982	98	71-133	2	35	mg/kg	02.19.2020 04:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		111		111		70-130	%	02.19.2020 04:00
4-Bromofluorobenzene	96		90		90		70-130	%	02.19.2020 04:00

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117186 — Matrix: Solid — Date Prep: 02.20.2020
MB Sample Id: 7697112-1-BLK — LCS Sample Id: 7697112-1-BKS — LCSD Sample Id: 7697112-1-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	0.103	103	0.101	101	70-130	2	35	mg/kg	02.20.2020 12:33	
Toluene	<0.00200	0.100	0.101	101	0.0984	98	70-130	3	35	mg/kg	02.20.2020 12:33	
Ethylbenzene	<0.00200	0.100	0.0983	98	0.0951	95	71-129	3	35	mg/kg	02.20.2020 12:33	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.196	98	70-135	4	35	mg/kg	02.20.2020 12:33	
o-Xylene	<0.00200	0.100	0.101	101	0.0978	98	71-133	3	35	mg/kg	02.20.2020 12:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		104		70-130	%	02.20.2020 12:33
4-Bromofluorobenzene	93		93		94		70-130	%	02.20.2020 12:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3116911 — Matrix: Soil — Date Prep: 02.18.2020
Parent Sample Id: 652818-014 — MS Sample Id: 652818-014 S — MSD Sample Id: 652818-014 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	0.123	123	0.117	116	70-130	5	35	mg/kg	02.18.2020 18:09	
Toluene	<0.00200	0.100	0.123	123	0.107	106	70-130	14	35	mg/kg	02.18.2020 18:09	
Ethylbenzene	<0.00200	0.100	0.116	116	0.0984	97	71-129	16	35	mg/kg	02.18.2020 18:09	
m,p-Xylenes	<0.00400	0.200	0.226	113	0.190	94	70-135	17	35	mg/kg	02.18.2020 18:09	
o-Xylene	<0.00200	0.100	0.114	114	0.0958	95	71-133	17	35	mg/kg	02.18.2020 18:09	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		70-130	%	02.18.2020 18:09
4-Bromofluorobenzene	93		91		70-130	%	02.18.2020 18:09

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117001 — Matrix: Soil — Date Prep: 02.18.2020
Parent Sample Id: 652839-010 — MS Sample Id: 652839-010 S — MSD Sample Id: 652839-010 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	0.0985	99	0.102	101	70-130	3	35	mg/kg	02.19.2020 13:40	
Toluene	<0.00200	0.0998	0.0824	83	0.0850	84	70-130	3	35	mg/kg	02.19.2020 13:40	
Ethylbenzene	<0.00200	0.0998	0.0720	72	0.0732	72	71-129	2	35	mg/kg	02.19.2020 13:40	
m,p-Xylenes	<0.00399	0.200	0.138	69	0.139	69	70-135	1	35	mg/kg	02.19.2020 13:40	X
o-Xylene	<0.00200	0.0998	0.0687	69	0.0689	68	71-133	0	35	mg/kg	02.19.2020 13:40	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		111		70-130	%	02.19.2020 13:40
4-Bromofluorobenzene	85		86		70-130	%	02.19.2020 13:40

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 652839

TRC Solutions, Inc

CS 167 NGPL

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

Seq Number: 3117186 Matrix: Soil Date Prep: 02.20.2020

Parent Sample Id: 652839-003 MS Sample Id: 652839-003 S MSD Sample Id: 652839-003 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	0.102	101	0.124	124	70-130	19	35	mg/kg	02.20.2020 13:14	
Toluene	<0.00202	0.101	0.110	109	0.121	121	70-130	10	35	mg/kg	02.20.2020 13:14	
Ethylbenzene	<0.00202	0.101	0.107	106	0.117	117	71-129	9	35	mg/kg	02.20.2020 13:14	
m,p-Xylenes	<0.00404	0.202	0.224	111	0.240	120	70-135	7	35	mg/kg	02.20.2020 13:14	
o-Xylene	<0.00202	0.101	0.111	110	0.118	118	71-133	6	35	mg/kg	02.20.2020 13:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		104		70-130	%	02.20.2020 13:14
4-Bromofluorobenzene	96		92		70-130	%	02.20.2020 13:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
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Work Order No: 452839

Page 1 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Gley Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		JStoffel@TRCCompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS 167 NGPL	Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24 Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	4.6	Thermometer ID	T-NM007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	21

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX 8021	TPH 8015M	Hold Inst. from Jared	
	N1 @ 0-6"	S	2/18/20	9:25	0-6"	1	X	X		
	AH-1 @ 0-6"			9:35	0-6"	1	X	X		
	AH-1 @ 6-12"			9:40	6-12"	1			X	
	W1 @ 0-6"			9:50	0-6"	1	X	X		
	E1 @ 0-6"			9:55	0-6"	1	X	X		
	AH-2 @ 0-6"			10:10	0-6"	1	X	X		
	AH-2 @ 6-12"			10:15	6-12"	1			X	
	AH-3 @ 0-6"			10:20	0-6"	1	X	X		
	AH-3 @ 6-12"			10:25	6-12"	1			X	
	AH-4 @ 0-6" R			11:35	0-6"	1	X	X		

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 1615	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

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Work Order No: 052939

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Project Manager:	Jared Staffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStaffel@TRCCompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS1167 NGPL	Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX 8021B	TPH 8015M	Hold for inst from Jared	Sample Comments
	AH-5@0-6"R	S	2/13/20	11:40	0-6"	1	X	X		
	AH-6@0-6"			11:45	0-6"		X	X		
	AH-6@6-12"			11:50	6-12"				X	
	E2@0-6"			12:30	0-6"		X	X		
	E3@0-6"			12:35	0-6"		X	X		
	E4@0-6"			12:40	0-6"		X	X		
	E5@0-6"			12:50	0-6"		X	X		
	W5@0-6"			13:05	0-6"		X	X		
	W4@0-6"			13:15	0-6"		X	X		
	W3@0-6"			13:20	0-6"					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 16:15	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
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Work Order No: 452839

Page 3 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStoffel@TRCcompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS1167 NGPL	Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24Hr	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX 8021	TPH 8015 Mod	Sample Comments
	W2@0-6"	S	2/18/20	13:25	0-6"	1		X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 16:15	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 02.18.2020 04.15.00 PM

Work Order #: 652839

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

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?	**Yes**
#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: Elizabeth McClellan Date: 02.18.2020

Checklist reviewed by: Jessica Kramer Date: 02.19.2020

Jessica Kramer

Certificate of Analysis Summary 652840

TRC Solutions, Inc, Midland, TX

Project Name: KM NGPL CS 167

Project Id:

Contact: Jared Stoffel

Project Location: Maljamar NM

Date Received in Lab: Tue Feb-18-20 04:16 pm

Report Date: 19-FEB-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652840-001		652840-003		652840-005		652840-007		652840-009		652840-010	
	Field Id:	S1 @0-6"		E10@0-6"		E9@0-6"		AH9@0-6"		AH8@0-6"		AH7@0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 10:00		Feb-18-20 10:15		Feb-18-20 10:29		Feb-18-20 10:37		Feb-18-20 10:50		Feb-18-20 11:03	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00	
	Analyzed:	Feb-19-20 10:07		Feb-19-20 10:27		Feb-19-20 10:48		Feb-19-20 11:38		Feb-19-20 11:58		Feb-19-20 12:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00393	0.00393	<0.00401	0.00401	<0.00400	0.00400	<0.00398	0.00398	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Xylenes, Total		<0.00196	0.00196	<0.002	0.002	<0.002	0.002	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00196	0.00196	<0.002	0.002	<0.002	0.002	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
TPH by SW8015 Mod	***Extracted:***	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	Feb-19-20 08:04		Feb-19-20 08:24		Feb-19-20 08:24		Feb-19-20 08:44		Feb-19-20 08:44		Feb-19-20 09:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	79.7	50.1	176	50.0	105	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	65.9	50.0	<50.3	50.3
Total TPH		<50.3	50.3	<50	50	<49.9	49.9	79.7	50.1	241.9	50	105	50.3

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 652840

TRC Solutions, Inc, Midland, TX

Project Name: KM NGPL CS 167

Project Id:

Contact: Jared Stoffel

Project Location: Maljamar NM

Date Received in Lab: Tue Feb-18-20 04:16 pm

Report Date: 19-FEB-20

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652840-012		652840-014		652840-016		652840-017		652840-019		652840-020	
	Field Id:	W10@0-6"		W9@0-6"		W8@0-6"		W7@0-6"		W6@0-6"		E8@0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-18-20 11:18		Feb-18-20 11:56		Feb-18-20 12:28		Feb-18-20 12:40		Feb-18-20 12:53		Feb-18-20 13:13	
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00	
	Analyzed:	Feb-19-20 12:39		Feb-19-20 13:00		Feb-19-20 13:20		Feb-19-20 05:28		Feb-19-20 05:49		Feb-19-20 06:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00402	0.00402	<0.00398	0.00398	<0.00400	0.00400	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Xylenes, Total		<0.002	0.002	<0.002	0.002	<0.00201	0.00201	<0.00199	0.00199	<0.002	0.002	<0.002	0.002
Total BTEX		<0.002	0.002	<0.002	0.002	<0.00201	0.00201	<0.00199	0.00199	<0.002	0.002	<0.002	0.002
TPH by SW8015 Mod	***Extracted:***	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	Feb-19-20 09:24		Feb-19-20 09:24		Feb-19-20 09:44		Feb-19-20 09:44		Feb-19-20 10:04		Feb-19-20 10:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.3	50.3
Diesel Range Organics (DRO)		<49.8	49.8	<50.1	50.1	<50.2	50.2	<50.0	50.0	66.5	50.3	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.3	50.3	<50.3	50.3
Total TPH		<49.8	49.8	<50.1	50.1	<50.2	50.2	<50	50	66.5	50.3	<50.3	50.3

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 652840

TRC Solutions, Inc, Midland, TX

Project Name: KM NGPL CS 167

Project Id:

Contact: Jared Stoffel

Project Location: Maljamar NM

Date Received in Lab: Tue Feb-18-20 04:16 pm

Report Date: 19-FEB-20

Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	652840-022		652840-023		652840-025				
	Field Id:	E7@0-6"		E6@0-6"		AH10@0-6"				
	Depth:	0-6 In		0-6 In		0-6 In				
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Feb-18-20 13:24		Feb-18-20 13:33		Feb-18-20 10:22				
BTEX by EPA 8021B	***Extracted:***	Feb-18-20 20:00		Feb-18-20 20:00		Feb-18-20 20:00				
	Analyzed:	Feb-19-20 06:29		Feb-19-20 06:50		Feb-19-20 07:10				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201			
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201			
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201			
m,p-Xylenes		<0.00399	0.00399	<0.00404	0.00404	<0.00402	0.00402			
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201			
Xylenes, Total		<0.002	0.002	<0.00202	0.00202	<0.00201	0.00201			
Total BTEX		<0.002	0.002	<0.00202	0.00202	<0.00201	0.00201			
TPH by SW8015 Mod	***Extracted:***	** ** ** **		** ** ** **		** ** ** **				
	Analyzed:	Feb-19-20 10:24		Feb-19-20 10:24		Feb-19-20 10:44				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<49.9	49.9			
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<49.9	49.9			
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<49.9	49.9			
Total TPH		<50.3	50.3	<50.2	50.2	<49.9	49.9			

Jessica Kramer
Project Assistant

Analytical Report 652840

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

KM NGPL CS 167

19-FEB-20

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

19-FEB-20

Project Manager: **Jared Stoffel**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **652840**
KM NGPL CS 167
Project Address: Maljamar NM

Jared Stoffel:

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) 652840. 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. 652840 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,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

Sample Cross Reference 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S1 @0-6"	S	02-18-20 10:00	0 - 6 In	652840-001
E10@0-6"	S	02-18-20 10:15	0 - 6 In	652840-003
E9@0-6"	S	02-18-20 10:29	0 - 6 In	652840-005
AH9@0-6"	S	02-18-20 10:37	0 - 6 In	652840-007
AH8@0-6"	S	02-18-20 10:50	0 - 6 In	652840-009
AH7@0-6"	S	02-18-20 11:03	0 - 6 In	652840-010
W10@0-6"	S	02-18-20 11:18	0 - 6 In	652840-012
W9@0-6"	S	02-18-20 11:56	0 - 6 In	652840-014
W8@0-6"	S	02-18-20 12:28	0 - 6 In	652840-016
W7@0-6"	S	02-18-20 12:40	0 - 6 In	652840-017
W6@0-6"	S	02-18-20 12:53	0 - 6 In	652840-019
E8@0-6"	S	02-18-20 13:13	0 - 6 In	652840-020
E7@0-6"	S	02-18-20 13:24	0 - 6 In	652840-022
E6@0-6"	S	02-18-20 13:33	0 - 6 In	652840-023
AH10@0-6"	S	02-18-20 10:22	0 - 6 In	652840-025
S1 @1'	S	02-18-20 10:01	1 ft	Not Analyzed
E10 @1'	S	02-18-20 10:16	1 ft	Not Analyzed
E9 @1'	S	02-18-20 10:30	1 ft	Not Analyzed
AH9 @1'	S	02-18-20 10:38	1 ft	Not Analyzed
AH7 @1'	S	02-18-20 11:04	1 ft	Not Analyzed
W10 @1'	S	02-18-20 11:19	1 ft	Not Analyzed
W9 @1'	S	02-18-20 11:57	1 ft	Not Analyzed
W7@9"	S	02-18-20 12:41	9 In	Not Analyzed
E8 @1'	S	02-18-20 13:14	1 ft	Not Analyzed
E6 @1'	S	02-18-20 13:34	1 ft	Not Analyzed
AH10 @1'	S	02-18-20 10:23	1 ft	Not Analyzed

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: KM NGPL CS 167

Project ID:
Work Order Number(s): *652840*

Report Date: *19-FEB-20*
Date Received: *02/18/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116980 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117001 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**S1 @0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-001	Date Collected:	02.18.20 10.00	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 08.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 08.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 08.04	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 08.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.20 08.04	
o-Terphenyl	84-15-1	118	%	70-135	02.19.20 08.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00196	0.00196	mg/kg	02.19.20 10.07	U	1
Toluene	108-88-3	<0.00196	0.00196	mg/kg	02.19.20 10.07	U	1
Ethylbenzene	100-41-4	<0.00196	0.00196	mg/kg	02.19.20 10.07	U	1
m,p-Xylenes	179601-23-1	<0.00393	0.00393	mg/kg	02.19.20 10.07	U	1
o-Xylene	95-47-6	<0.00196	0.00196	mg/kg	02.19.20 10.07	U	1
Xylenes, Total	1330-20-7	<0.00196	0.00196	mg/kg	02.19.20 10.07	U	1
Total BTEX		<0.00196	0.00196	mg/kg	02.19.20 10.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.20 10.07	
4-Bromofluorobenzene	460-00-4	77	%	70-130	02.19.20 10.07	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E10@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-003	Date Collected:	02.18.20 10.15	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 08.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 08.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 08.24	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.20 08.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	02.19.20 08.24	
o-Terphenyl	84-15-1	121	%	70-135	02.19.20 08.24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 10.27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 10.27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 10.27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 10.27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 10.27	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 10.27	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 10.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.19.20 10.27	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.19.20 10.27	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E9@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-005	Date Collected:	02.18.20 10.29	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 08.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.20 08.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.20 08.24	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.20 08.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	02.19.20 08.24	
o-Terphenyl	84-15-1	116	%	70-135	02.19.20 08.24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 10.48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 10.48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 10.48	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.20 10.48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 10.48	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 10.48	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 10.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.20 10.48	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.19.20 10.48	

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KM NGPL CS 167

Sample Id:	**AH9@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-007	Date Collected:	02.18.20 10.37	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 08.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	**79.7**	50.1	mg/kg	02.19.20 08.44		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 08.44	U	1
Total TPH	PHC635	**79.7**	50.1	mg/kg	02.19.20 08.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.19.20 08.44	
o-Terphenyl	84-15-1	104	%	70-135	02.19.20 08.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 11.38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 11.38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 11.38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 11.38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 11.38	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 11.38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 11.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.19.20 11.38	
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.19.20 11.38	

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KM NGPL CS 167

Sample Id:	**AH8@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-009	Date Collected:	02.18.20 10.50	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 08.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	**176**	50.0	mg/kg	02.19.20 08.44		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**65.9**	50.0	mg/kg	02.19.20 08.44		1
Total TPH	PHC635	**241.9**	50	mg/kg	02.19.20 08.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.20 08.44	
o-Terphenyl	84-15-1	116	%	70-135	02.19.20 08.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.20 11.58	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.20 11.58	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.20 11.58	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.20 11.58	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.20 11.58	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.20 11.58	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.20 11.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.19.20 11.58	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.20 11.58	

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KM NGPL CS 167

Sample Id:	**AH7@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-010	Date Collected:	02.18.20 11.03	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 09.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	**105**	50.3	mg/kg	02.19.20 09.04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 09.04	U	1
Total TPH	PHC635	**105**	50.3	mg/kg	02.19.20 09.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.19.20 09.04	
o-Terphenyl	84-15-1	106	%	70-135	02.19.20 09.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 12.19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 12.19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 12.19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 12.19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 12.19	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 12.19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 12.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	70-130	02.19.20 12.19	
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.19.20 12.19	

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KM NGPL CS 167

Sample Id:	**W10@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-012	Date Collected:	02.18.20 11.18	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.19.20 09.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.19.20 09.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.19.20 09.24	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.19.20 09.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	02.19.20 09.24	
o-Terphenyl	84-15-1	104	%	70-135	02.19.20 09.24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 12.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 12.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 12.39	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 12.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 12.39	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 12.39	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 12.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	84	%	70-130	02.19.20 12.39	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.19.20 12.39	

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KM NGPL CS 167

Sample Id:	**W9@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-014	Date Collected:	02.18.20 11.56	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.20 09.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.20 09.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.20 09.24	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.20 09.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.19.20 09.24	
o-Terphenyl	84-15-1	110	%	70-135	02.19.20 09.24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 13.00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 13.00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 13.00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.20 13.00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 13.00	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 13.00	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 13.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.20 13.00	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.19.20 13.00	

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Sample Id:	**W8@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-016	Date Collected:	02.18.20 12.28	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 09.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 09.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 09.44	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 09.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.19.20 09.44	
o-Terphenyl	84-15-1	106	%	70-135	02.19.20 09.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 13.20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 13.20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 13.20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 13.20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 13.20	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 13.20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 13.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	80	%	70-130	02.19.20 13.20	
1,4-Difluorobenzene	540-36-3	86	%	70-130	02.19.20 13.20	

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KM NGPL CS 167

Sample Id:	**W7@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-017	Date Collected:	02.18.20 12.40	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.20 09.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.20 09.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.20 09.44	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.20 09.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.20 09.44	
o-Terphenyl	84-15-1	112	%	70-135	02.19.20 09.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.20 05.28	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.20 05.28	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.20 05.28	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.20 05.28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.20 05.28	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.20 05.28	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.20 05.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.20 05.28	
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.19.20 05.28	

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KM NGPL CS 167

Sample Id:	**W6@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-019	Date Collected:	02.18.20 12.53	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 10.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	**66.5**	50.3	mg/kg	02.19.20 10.04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 10.04	U	1
Total TPH	PHC635	**66.5**	50.3	mg/kg	02.19.20 10.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	02.19.20 10.04	
o-Terphenyl	84-15-1	106	%	70-135	02.19.20 10.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 05.49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 05.49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 05.49	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.20 05.49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 05.49	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 05.49	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 05.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.20 05.49	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.19.20 05.49	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E8@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-020	Date Collected:	02.18.20 13.13	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 10.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 10.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 10.04	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 10.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 10.04	
o-Terphenyl	84-15-1	107	%	70-135	02.19.20 10.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 06.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 06.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 06.09	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.20 06.09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 06.09	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 06.09	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 06.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.19.20 06.09	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.20 06.09	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E7@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-022	Date Collected:	02.18.20 13.24	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.20 10.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.20 10.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.20 10.24	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.20 10.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.20 10.24	
o-Terphenyl	84-15-1	120	%	70-135	02.19.20 10.24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.20 06.29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.20 06.29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.20 06.29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.20 06.29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.20 06.29	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.20 06.29	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.20 06.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.19.20 06.29	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.19.20 06.29	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E6@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-023	Date Collected:	02.18.20 13.33	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.20 10.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.20 10.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.20 10.24	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.20 10.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.19.20 10.24	
o-Terphenyl	84-15-1	109	%	70-135	02.19.20 10.24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.20 06.50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.20 06.50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.20 06.50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.20 06.50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.20 06.50	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.20 06.50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.20 06.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.19.20 06.50	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.20 06.50	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**AH10@0-6"**	Matrix:	Soil	Date Received:	02.18.20 16.16
Lab Sample Id:	652840-025	Date Collected:	02.18.20 10.22	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.20 15.30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.20 10.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.20 10.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.20 10.44	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.20 10.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.20 10.44	
o-Terphenyl	84-15-1	113	%	70-135	02.19.20 10.44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.20 20.00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.20 07.10	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.20 07.10	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.20 07.10	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.20 07.10	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.20 07.10	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.20 07.10	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.20 07.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.19.20 07.10	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.19.20 07.10	

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696969-1-BLK — LCS Sample Id: 7696969-1-BKS — LCSD Sample Id: 7696969-1-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)	<50.0	1000	938	94	842	84	70-135	11	35	mg/kg	02.19.20 06:45	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	916	92	70-135	13	35	mg/kg	02.19.20 06:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		120		116		70-135	%	02.19.20 06:45
o-Terphenyl	97		115		105		70-135	%	02.19.20 06:45

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696969-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.20 06:45	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Soil — Date Prep: 02.18.20
Parent Sample Id: 652839-018 — MS Sample Id: 652839-018 S — MSD Sample Id: 652839-018 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)	<50.2	1000	1080	108	992	98	70-135	8	35	mg/kg	02.19.20 07:24	
Diesel Range Organics (DRO)	<50.2	1000	1190	119	1160	115	70-135	3	35	mg/kg	02.19.20 07:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		127		70-135	%	02.19.20 07:24
o-Terphenyl	130		123		70-135	%	02.19.20 07:24

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3116980 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696956-1-BLK — LCS Sample Id: 7696956-1-BKS — LCSD Sample Id: 7696956-1-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	0.102	102	0.103	103	70-130	1	35	mg/kg	02.19.20 03:46	
Toluene	<0.00200	0.100	0.0978	98	0.0985	99	70-130	1	35	mg/kg	02.19.20 03:46	
Ethylbenzene	<0.00200	0.100	0.0936	94	0.0937	94	71-129	0	35	mg/kg	02.19.20 03:46	
m,p-Xylenes	<0.00400	0.200	0.193	97	0.193	97	70-135	0	35	mg/kg	02.19.20 03:46	
o-Xylene	<0.00200	0.100	0.0972	97	0.0971	97	71-133	0	35	mg/kg	02.19.20 03:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		105		70-130	%	02.19.20 03:46
4-Bromofluorobenzene	95		94		95		70-130	%	02.19.20 03:46

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117001 — Matrix: Solid — Date Prep: 02.18.20
MB Sample Id: 7696954-1-BLK — LCS Sample Id: 7696954-1-BKS — LCSD Sample Id: 7696954-1-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	0.118	118	0.114	114	70-130	3	35	mg/kg	02.19.20 04:00	
Toluene	<0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	02.19.20 04:00	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0983	98	71-129	3	35	mg/kg	02.19.20 04:00	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.192	96	70-135	3	35	mg/kg	02.19.20 04:00	
o-Xylene	<0.00200	0.100	0.100	100	0.0982	98	71-133	2	35	mg/kg	02.19.20 04:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		111		111		70-130	%	02.19.20 04:00
4-Bromofluorobenzene	96		90		90		70-130	%	02.19.20 04:00

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3116980 — Matrix: Soil — Date Prep: 02.18.20
Parent Sample Id: 652840-017 — MS Sample Id: 652840-017 S — MSD Sample Id: 652840-017 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	0.0825	82	0.0967	97	70-130	16	35	mg/kg	02.19.20 04:27	
Toluene	<0.00202	0.101	0.0895	89	0.0920	93	70-130	3	35	mg/kg	02.19.20 04:27	
Ethylbenzene	<0.00202	0.101	0.0853	84	0.0870	88	71-129	2	35	mg/kg	02.19.20 04:27	
m,p-Xylenes	<0.00403	0.202	0.170	84	0.178	90	70-135	5	35	mg/kg	02.19.20 04:27	
o-Xylene	<0.00202	0.101	0.0881	87	0.0900	91	71-133	2	35	mg/kg	02.19.20 04:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		104		70-130	%	02.19.20 04:27
4-Bromofluorobenzene	92		94		70-130	%	02.19.20 04:27

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

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

Seq Number: 3117001 Matrix: Soil Date Prep: 02.18.20

Parent Sample Id: 652839-010 MS Sample Id: 652839-010 S MSD Sample Id: 652839-010 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	0.0985	99	0.102	101	70-130	3	35	mg/kg	02.19.20 13:40	
Toluene	<0.00200	0.0998	0.0824	83	0.0850	84	70-130	3	35	mg/kg	02.19.20 13:40	
Ethylbenzene	<0.00200	0.0998	0.0720	72	0.0732	72	71-129	2	35	mg/kg	02.19.20 13:40	
m,p-Xylenes	<0.00399	0.200	0.138	69	0.139	69	70-135	1	35	mg/kg	02.19.20 13:40	X
o-Xylene	<0.00200	0.0998	0.0687	69	0.0689	68	71-133	0	35	mg/kg	02.19.20 13:40	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		111		70-130	%	02.19.20 13:40
4-Bromofluorobenzene	85		86		70-130	%	02.19.20 13:40

MS/MSD Percent Recovery	[D] = 100*(C-A) / B	LCS = Laboratory Control Sample	MS = Matrix Spike
Relative Percent Difference	RPD = 200* | (C-E) / (C+E) |	A = Parent Result	B = Spike Added
LCS/LCSD Recovery	[D] = 100 * (C) / [B]	C = MS/LCS Result	D = MSD/LCSD % Rec
Log Difference	Log Diff. = Log(Sample Duplicate) - Log(Original Sample)	E = MSD/LCSD Result	

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Work Order No: 652840

Page 1 of 3

Project Manager:	JARED SCHAFFEL	Bill to: (if different)	GLEN THOMPSON
Company Name:	TRC - MIDLAND	Company Name:	KINDER MORGAN
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:	JSCHAFFEL@TRCCOMPANIES.COM	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	KM ~~BS~~ NGPL CS167	Turn Around	
Project Number:		Routine ☐	
Project Location	MALJAMAR NM	Rush: 24HR	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	4.4	Thermometer ID	T-NM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	~~27~~ 26

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX	TPH	Hold for instructions Iron Jar ID's	Sample Comments
	S1 @ 0-6"	S	12/FEB/20	1000	0-6"	1	✓	✓		
	S1 @ 1'			1001	1'	1			✓	Hold
	E1 ~~AH1~~ @ 0-6"			1015	0-6"	1	✓	✓		
	E1 ~~AH1~~ @ 1'			1016	1'	1			✓	
	E9 @ 0-6"			1029	0-6"	1	✓	✓		
	E9 @ 1'			1030	1'	1			✓	
	AH9 @ 0-6"			1037	0-6"	1	✓	✓		
	AH9 @ 1'			1038	1'	1			✓	
	AH8 @ 0-6"	↓	↓	1050	0-6"	1	✓	✓		
	~~AH8~~ Rus					1				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

1631 / 245.1 / 7470 / 7471 : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 1500	2		2/18/20 16:10
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
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Work Order No: 652840

Page 2 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC - Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:	JStoffel@trcompanies.com	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:		Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	TPH	Hold for Inst. From Jared S.	Sample Comments
	AH7e 0-6"	S	10/7/2020	1103	0-6"	1		✓	✓		
	AH7e 1'			1104	1'	1				✓	
	W10e 0-6"			1118	0-6"	1		✓	✓		
	W10e 1'			1119	1'	1				✓	
	W9e 0-6"			1156	0-6"	1		✓	✓		
	W9e 1'			1157	1'	1				✓	
	W8e 0-6"			1228	0-6"	1		✓	✓		
	W7e 0-6'			1240	0-6'	1		✓	✓		
	W7e 9' 9"			1241	9"	1				✓	
	W6e 0-6'	↓	↓	1253	0-6"	1		✓	✓		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			10/8/20 1500	2		10/8/20 16:10
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Work Order No: 652840

Page 3 of 3

Project Manager:		Bill to: (if different)	Glen Thompson
Company Name:		Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		JSTOFFEL@TRCCOMPANIES.COM

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:		Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24 Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	~~Yes~~ No N/A	Total Containers:	

ANALYSIS REQUEST

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	TPH	Hold for Inst. from Jared
	E8 @ 0-6"	S	1/15/20	1313	0-6"	1		✓	✓	
	E8 @ 1'			1314	1'	1				✓
	E7 @ 0-6"			1324	0-6"	1		✓	✓	
	E6 @ 0-6"			1333	0-6"	1		✓	✓	
	E6 @ 1'			1334	1'	1				✓
	AH10 @ 0-6"			1022	0-6"	1		✓	✓	
	AH10 @ 1'			1023	1'	1				✓

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/18/20 1500	2		2/18/20 16:40
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 02.18.2020 04.16.00 PM

Work Order #: 652840

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

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?	**Yes**
#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: Elizabeth McClellan Date: 02.18.2020

Checklist reviewed by: Jessica Kramer Date: 02.19.2020

Jessica Kramer

Certificate of Analysis Summary 652840

TRC Solutions, Inc, Midland, TX

Project Name: KM NGPL CS 167

Project Id:

Contact: Jared Stoffel

Project Location: Maljamar NM

Date Received in Lab: Tue 02.18.2020 16:16

Report Date: 02.21.2020 11:37

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652840-001		652840-003		652840-005		652840-007		652840-009		652840-010	
	Field Id:	S1 @0-6"		E10@0-6"		E9@0-6"		AH9@0-6"		AH8@0-6"		AH7@0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.18.2020 10:00		02.18.2020 10:15		02.18.2020 10:29		02.18.2020 10:37		02.18.2020 10:50		02.18.2020 11:03	
BTEX by EPA 8021B	**Extracted:**	02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00	
	Analyzed:	02.19.2020 10:07		02.19.2020 10:27		02.19.2020 10:48		02.19.2020 11:38		02.19.2020 11:58		02.19.2020 12:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00393	0.00393	<0.00401	0.00401	<0.00400	0.00400	<0.00398	0.00398	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00196	0.00196	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Xylenes, Total		<0.00196	0.00196	<0.002	0.002	<0.002	0.002	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00196	0.00196	<0.002	0.002	<0.002	0.002	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201
TPH by SW8015 Mod	**Extracted:**	** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	02.19.2020 08:04		02.19.2020 08:24		02.19.2020 08:24		02.19.2020 08:44		02.19.2020 08:44		02.19.2020 09:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	79.7	50.1	176	50.0	105	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.0	50.0	<49.9	49.9	<50.1	50.1	65.9	50.0	<50.3	50.3
Total TPH		<50.3	50.3	<50	50	<49.9	49.9	79.7	50.1	241.9	50	105	50.3

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Certificate of Analysis Summary 652840

TRC Solutions, Inc, Midland, TX

Project Name: KM NGPL CS 167

Project Id:

Contact: Jared Stoffel

Project Location: Maljamar NM

Date Received in Lab: Tue 02.18.2020 16:16

Report Date: 02.21.2020 11:37

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652840-011		652840-012		652840-014		652840-016		652840-017		652840-019	
	Field Id:	AH7 @1'		W10@0-6"		W9@0-6"		W8@0-6"		W7@0-6"		W6@0-6"	
	Depth:	1- ft		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	02.18.2020 11:04		02.18.2020 11:18		02.18.2020 11:56		02.18.2020 12:28		02.18.2020 12:40		02.18.2020 12:53	
BTEX by EPA 8021B	***Extracted:***	02.20.2020 11:30		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00	
	Analyzed:	02.20.2020 15:36		02.19.2020 12:39		02.19.2020 13:00		02.19.2020 13:20		02.19.2020 05:28		02.19.2020 05:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399	<0.00402	0.00402	<0.00398	0.00398	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Xylenes, Total		<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.00201	0.00201	<0.00199	0.00199	<0.002	0.002
Total BTEX		<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.00201	0.00201	<0.00199	0.00199	<0.002	0.002
TPH by SW8015 Mod	***Extracted:***	02.20.2020 12:30		** ** ** **		** ** ** **		** ** ** **		** ** ** **		** ** ** **	
	Analyzed:	02.20.2020 15:33		02.19.2020 09:24		02.19.2020 09:24		02.19.2020 09:44		02.19.2020 09:44		02.19.2020 10:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		121	49.9	<49.8	49.8	<50.1	50.1	<50.2	50.2	<50.0	50.0	66.5	50.3
Motor Oil Range Hydrocarbons (MRO)		79.0	49.9	<49.8	49.8	<50.1	50.1	<50.2	50.2	<50.0	50.0	<50.3	50.3
Total TPH		200	49.9	<49.8	49.8	<50.1	50.1	<50.2	50.2	<50	50	66.5	50.3

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Certificate of Analysis Summary 652840

TRC Solutions, Inc, Midland, TX

Project Name: KM NGPL CS 167

Project Id:

Contact: Jared Stoffel

Project Location: Maljamar NM

Date Received in Lab: Tue 02.18.2020 16:16

Report Date: 02.21.2020 11:37

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	652840-020		652840-022		652840-023		652840-025					
	Field Id:	E8@0-6"		E7@0-6"		E6@0-6"		AH10@0-6"					
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	02.18.2020 13:13		02.18.2020 13:24		02.18.2020 13:33		02.18.2020 10:22					
BTEX by EPA 8021B	***Extracted:***	02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00		02.18.2020 20:00					
	Analyzed:	02.19.2020 06:09		02.19.2020 06:29		02.19.2020 06:50		02.19.2020 07:10					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201				
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201				
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201				
m,p-Xylenes		<0.00401	0.00401	<0.00399	0.00399	<0.00404	0.00404	<0.00402	0.00402				
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201				
Xylenes, Total		<0.002	0.002	<0.002	0.002	<0.00202	0.00202	<0.00201	0.00201				
Total BTEX		<0.002	0.002	<0.002	0.002	<0.00202	0.00202	<0.00201	0.00201				
TPH by SW8015 Mod	***Extracted:***	** ** ** **		** ** ** **		** ** ** **		** ** ** **					
	Analyzed:	02.19.2020 10:04		02.19.2020 10:24		02.19.2020 10:24		02.19.2020 10:44					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3	<50.2	50.2	<49.9	49.9				
Diesel Range Organics (DRO)		<50.3	50.3	<50.3	50.3	<50.2	50.2	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3	<50.2	50.2	<49.9	49.9				
Total TPH		<50.3	50.3	<50.3	50.3	<50.2	50.2	<49.9	49.9				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

John Builes
Project Manager

Analytical Report 652840

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

KM NGPL CS 167

02.21.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

02.21.2020

Project Manager: **Jared Stoffel**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **652840**
KM NGPL CS 167
Project Address: Maljamar NM

Jared Stoffel:

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) 652840. 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. 652840 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,

John Builes
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S1 @0-6"	S	02.18.2020 10:00	0 - 6 In	652840-001
E10@0-6"	S	02.18.2020 10:15	0 - 6 In	652840-003
E9@0-6"	S	02.18.2020 10:29	0 - 6 In	652840-005
AH9@0-6"	S	02.18.2020 10:37	0 - 6 In	652840-007
AH8@0-6"	S	02.18.2020 10:50	0 - 6 In	652840-009
AH7@0-6"	S	02.18.2020 11:03	0 - 6 In	652840-010
AH7 @1'	S	02.18.2020 11:04	1 ft	652840-011
W10@0-6"	S	02.18.2020 11:18	0 - 6 In	652840-012
W9@0-6"	S	02.18.2020 11:56	0 - 6 In	652840-014
W8@0-6"	S	02.18.2020 12:28	0 - 6 In	652840-016
W7@0-6"	S	02.18.2020 12:40	0 - 6 In	652840-017
W6@0-6"	S	02.18.2020 12:53	0 - 6 In	652840-019
E8@0-6"	S	02.18.2020 13:13	0 - 6 In	652840-020
E7@0-6"	S	02.18.2020 13:24	0 - 6 In	652840-022
E6@0-6"	S	02.18.2020 13:33	0 - 6 In	652840-023
AH10@0-6"	S	02.18.2020 10:22	0 - 6 In	652840-025
S1 @1'	S	02.18.2020 10:01	1 ft	Not Analyzed
E10 @1'	S	02.18.2020 10:16	1 ft	Not Analyzed
E9 @1'	S	02.18.2020 10:30	1 ft	Not Analyzed
AH9 @1'	S	02.18.2020 10:38	1 ft	Not Analyzed
W10 @1'	S	02.18.2020 11:19	1 ft	Not Analyzed
W9 @1'	S	02.18.2020 11:57	1 ft	Not Analyzed
W7@9"	S	02.18.2020 12:41	9 In	Not Analyzed
E8 @1'	S	02.18.2020 13:14	1 ft	Not Analyzed
E6 @1'	S	02.18.2020 13:34	1 ft	Not Analyzed
AH10 @1'	S	02.18.2020 10:23	1 ft	Not Analyzed

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: KM NGPL CS 167

Project ID:
Work Order Number(s): *652840*

Report Date: *02.21.2020*
Date Received: *02.18.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3116980 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117001 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117186 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**S1 @0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-001	Date Collected:	02.18.2020 10:00	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 08:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.2020 08:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.2020 08:04	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.2020 08:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.2020 08:04	
o-Terphenyl	84-15-1	118	%	70-135	02.19.2020 08:04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00196	0.00196	mg/kg	02.19.2020 10:07	U	1
Toluene	108-88-3	<0.00196	0.00196	mg/kg	02.19.2020 10:07	U	1
Ethylbenzene	100-41-4	<0.00196	0.00196	mg/kg	02.19.2020 10:07	U	1
m,p-Xylenes	179601-23-1	<0.00393	0.00393	mg/kg	02.19.2020 10:07	U	1
o-Xylene	95-47-6	<0.00196	0.00196	mg/kg	02.19.2020 10:07	U	1
Xylenes, Total	1330-20-7	<0.00196	0.00196	mg/kg	02.19.2020 10:07	U	1
Total BTEX		<0.00196	0.00196	mg/kg	02.19.2020 10:07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.2020 10:07	
4-Bromofluorobenzene	460-00-4	77	%	70-130	02.19.2020 10:07	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E10@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-003	Date Collected:	02.18.2020 10:15	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.2020 08:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.2020 08:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.2020 08:24	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.2020 08:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	02.19.2020 08:24	
o-Terphenyl	84-15-1	121	%	70-135	02.19.2020 08:24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 10:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 10:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 10:27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.2020 10:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 10:27	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 10:27	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 10:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	78	%	70-130	02.19.2020 10:27	
1,4-Difluorobenzene	540-36-3	97	%	70-130	02.19.2020 10:27	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E9@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-005	Date Collected:	02.18.2020 10:29	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.2020 08:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.2020 08:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.2020 08:24	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.2020 08:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	02.19.2020 08:24	
o-Terphenyl	84-15-1	116	%	70-135	02.19.2020 08:24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 10:48	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 10:48	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 10:48	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.2020 10:48	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 10:48	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 10:48	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 10:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.2020 10:48	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.19.2020 10:48	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**AH9@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-007	Date Collected:	02.18.2020 10:37	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 08:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	**79.7**	50.1	mg/kg	02.19.2020 08:44		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.2020 08:44	U	1
Total TPH	PHC635	**79.7**	50.1	mg/kg	02.19.2020 08:44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.19.2020 08:44	
o-Terphenyl	84-15-1	104	%	70-135	02.19.2020 08:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.2020 11:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.2020 11:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.2020 11:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.2020 11:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.2020 11:38	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.2020 11:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.2020 11:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.19.2020 11:38	
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.19.2020 11:38	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**AH8@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-009	Date Collected:	02.18.2020 10:50	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.2020 08:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	**176**	50.0	mg/kg	02.19.2020 08:44		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**65.9**	50.0	mg/kg	02.19.2020 08:44		1
Total TPH	PHC635	**241.9**	50	mg/kg	02.19.2020 08:44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.19.2020 08:44	
o-Terphenyl	84-15-1	116	%	70-135	02.19.2020 08:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.2020 11:58	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.2020 11:58	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.2020 11:58	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.2020 11:58	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.2020 11:58	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.2020 11:58	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.2020 11:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.19.2020 11:58	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.19.2020 11:58	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**AH7@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-010	Date Collected:	02.18.2020 11:03	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 09:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	**105**	50.3	mg/kg	02.19.2020 09:04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.2020 09:04	U	1
Total TPH	PHC635	**105**	50.3	mg/kg	02.19.2020 09:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.19.2020 09:04	
o-Terphenyl	84-15-1	106	%	70-135	02.19.2020 09:04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 12:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 12:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 12:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 12:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 12:19	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 12:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 12:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	90	%	70-130	02.19.2020 12:19	
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.19.2020 12:19	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**AH7 @1'**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-011	Date Collected:	02.18.2020 11:04	Sample Depth:	1 ft

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.20.2020 12:30	Basis:	Wet Weight
Seq Number:	3117187				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.20.2020 15:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	**121**	49.9	mg/kg	02.20.2020 15:33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**79.0**	49.9	mg/kg	02.20.2020 15:33		1
Total TPH	PHC635	**200**	49.9	mg/kg	02.20.2020 15:33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.20.2020 15:33	
o-Terphenyl	84-15-1	108	%	70-135	02.20.2020 15:33	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.20.2020 11:30	Basis:	Wet Weight
Seq Number:	3117186				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.20.2020 15:36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.20.2020 15:36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.20.2020 15:36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.20.2020 15:36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.20.2020 15:36	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.20.2020 15:36	U	1
Total BTEX		<0.002	0.002	mg/kg	02.20.2020 15:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.20.2020 15:36	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.20.2020 15:36	

Certificate of Analytical Results 652840

TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**W10@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-012	Date Collected:	02.18.2020 11:18	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.19.2020 09:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.19.2020 09:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.19.2020 09:24	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.19.2020 09:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	02.19.2020 09:24	
o-Terphenyl	84-15-1	104	%	70-135	02.19.2020 09:24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 12:39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 12:39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 12:39	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.2020 12:39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 12:39	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 12:39	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 12:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	84	%	70-130	02.19.2020 12:39	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.19.2020 12:39	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**W9@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-014	Date Collected:	02.18.2020 11:56	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.19.2020 09:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.19.2020 09:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.19.2020 09:24	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.19.2020 09:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.19.2020 09:24	
o-Terphenyl	84-15-1	110	%	70-135	02.19.2020 09:24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 13:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 13:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 13:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.2020 13:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 13:00	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 13:00	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 13:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.2020 13:00	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.19.2020 13:00	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**W8@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-016	Date Collected:	02.18.2020 12:28	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 09:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.2020 09:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.2020 09:44	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.2020 09:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.19.2020 09:44	
o-Terphenyl	84-15-1	106	%	70-135	02.19.2020 09:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3117001				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 13:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 13:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 13:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 13:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 13:20	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 13:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 13:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	80	%	70-130	02.19.2020 13:20	
1,4-Difluorobenzene	540-36-3	86	%	70-130	02.19.2020 13:20	

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KM NGPL CS 167

Sample Id:	**W7@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-017	Date Collected:	02.18.2020 12:40	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.19.2020 09:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.19.2020 09:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.19.2020 09:44	U	1
Total TPH	PHC635	<50	50	mg/kg	02.19.2020 09:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.2020 09:44	
o-Terphenyl	84-15-1	112	%	70-135	02.19.2020 09:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.19.2020 05:28	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.19.2020 05:28	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.19.2020 05:28	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.19.2020 05:28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.19.2020 05:28	U	1
Xylenes, Total	1330-20-7	<0.00199	0.00199	mg/kg	02.19.2020 05:28	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.19.2020 05:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.2020 05:28	
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.19.2020 05:28	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**W6@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-019	Date Collected:	02.18.2020 12:53	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 10:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	**66.5**	50.3	mg/kg	02.19.2020 10:04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.2020 10:04	U	1
Total TPH	PHC635	**66.5**	50.3	mg/kg	02.19.2020 10:04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	02.19.2020 10:04	
o-Terphenyl	84-15-1	106	%	70-135	02.19.2020 10:04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 05:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 05:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 05:49	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.19.2020 05:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 05:49	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 05:49	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 05:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.19.2020 05:49	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.19.2020 05:49	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E8@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-020	Date Collected:	02.18.2020 13:13	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 10:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.2020 10:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.2020 10:04	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.2020 10:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.2020 10:04	
o-Terphenyl	84-15-1	107	%	70-135	02.19.2020 10:04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 06:09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 06:09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 06:09	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.19.2020 06:09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 06:09	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 06:09	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 06:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	02.19.2020 06:09	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.2020 06:09	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**E7@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-022	Date Collected:	02.18.2020 13:24	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.19.2020 10:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.19.2020 10:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.19.2020 10:24	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.19.2020 10:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.19.2020 10:24	
o-Terphenyl	84-15-1	120	%	70-135	02.19.2020 10:24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.2020 06:29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.2020 06:29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.2020 06:29	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.2020 06:29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.2020 06:29	U	1
Xylenes, Total	1330-20-7	<0.002	0.002	mg/kg	02.19.2020 06:29	U	1
Total BTEX		<0.002	0.002	mg/kg	02.19.2020 06:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.19.2020 06:29	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.19.2020 06:29	

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KM NGPL CS 167

Sample Id:	**E6@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-023	Date Collected:	02.18.2020 13:33	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.19.2020 10:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.19.2020 10:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.19.2020 10:24	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.19.2020 10:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.19.2020 10:24	
o-Terphenyl	84-15-1	109	%	70-135	02.19.2020 10:24	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.19.2020 06:50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.19.2020 06:50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.19.2020 06:50	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.19.2020 06:50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.19.2020 06:50	U	1
Xylenes, Total	1330-20-7	<0.00202	0.00202	mg/kg	02.19.2020 06:50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.19.2020 06:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.19.2020 06:50	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.19.2020 06:50	

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TRC Solutions, Inc, Midland, TX

KM NGPL CS 167

Sample Id:	**AH10@0-6"**	Matrix:	Soil	Date Received:	02.18.2020 16:16
Lab Sample Id:	652840-025	Date Collected:	02.18.2020 10:22	Sample Depth:	0 - 6 In

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.18.2020 15:30	Basis:	Wet Weight
Seq Number:	3116951				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.19.2020 10:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.19.2020 10:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.19.2020 10:44	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.19.2020 10:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.19.2020 10:44	
o-Terphenyl	84-15-1	113	%	70-135	02.19.2020 10:44	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.18.2020 20:00	Basis:	Wet Weight
Seq Number:	3116980				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.2020 07:10	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.2020 07:10	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.2020 07:10	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.2020 07:10	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.2020 07:10	U	1
Xylenes, Total	1330-20-7	<0.00201	0.00201	mg/kg	02.19.2020 07:10	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.2020 07:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.19.2020 07:10	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.19.2020 07:10	

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. **ND** Not Detected.

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696969-1-BLK — LCS Sample Id: 7696969-1-BKS — LCSD Sample Id: 7696969-1-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)	<50.0	1000	938	94	842	84	70-135	11	35	mg/kg	02.19.2020 06:45	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	916	92	70-135	13	35	mg/kg	02.19.2020 06:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	87		120		116		70-135	%	02.19.2020 06:45
o-Terphenyl	97		115		105		70-135	%	02.19.2020 06:45

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117187 — Matrix: Solid — Date Prep: 02.20.2020
MB Sample Id: 7697163-1-BLK — LCS Sample Id: 7697163-1-BKS — LCSD Sample Id: 7697163-1-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)	<50.0	1000	897	90	895	90	70-135	0	35	mg/kg	02.20.2020 14:13	
Diesel Range Organics (DRO)	<50.0	1000	1020	102	974	97	70-135	5	35	mg/kg	02.20.2020 14:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		114		105		70-135	%	02.20.2020 14:13
o-Terphenyl	94		118		104		70-135	%	02.20.2020 14:13

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696969-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.19.2020 06:45	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117187 — Matrix: Solid — Date Prep: 02.20.2020
MB Sample Id: 7697163-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.20.2020 14:13	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3116951 — Matrix: Soil — Date Prep: 02.18.2020
Parent Sample Id: 652839-018 — MS Sample Id: 652839-018 S — MSD Sample Id: 652839-018 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)	<50.2	1000	1080	108	992	98	70-135	8	35	mg/kg	02.19.2020 07:24	
Diesel Range Organics (DRO)	<50.2	1000	1190	119	1160	115	70-135	3	35	mg/kg	02.19.2020 07:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		127		70-135	%	02.19.2020 07:24
o-Terphenyl	130		123		70-135	%	02.19.2020 07:24

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117187 — Matrix: Soil — Date Prep: 02.20.2020
Parent Sample Id: 652839-003 — MS Sample Id: 652839-003 S — MSD Sample Id: 652839-003 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)	<50.2	1000	933	93	914	92	70-135	2	35	mg/kg	02.20.2020 14:53	
Diesel Range Organics (DRO)	<50.2	1000	987	99	1050	105	70-135	6	35	mg/kg	02.20.2020 14:53	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		117		70-135	%	02.20.2020 14:53
o-Terphenyl	109		110		70-135	%	02.20.2020 14:53

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3116980 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696956-1-BLK — LCS Sample Id: 7696956-1-BKS — LCSD Sample Id: 7696956-1-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	0.102	102	0.103	103	70-130	1	35	mg/kg	02.19.2020 03:46	
Toluene	<0.00200	0.100	0.0978	98	0.0985	99	70-130	1	35	mg/kg	02.19.2020 03:46	
Ethylbenzene	<0.00200	0.100	0.0936	94	0.0937	94	71-129	0	35	mg/kg	02.19.2020 03:46	
m,p-Xylenes	<0.00400	0.200	0.193	97	0.193	97	70-135	0	35	mg/kg	02.19.2020 03:46	
o-Xylene	<0.00200	0.100	0.0972	97	0.0971	97	71-133	0	35	mg/kg	02.19.2020 03:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		105		70-130	%	02.19.2020 03:46
4-Bromofluorobenzene	95		94		95		70-130	%	02.19.2020 03:46

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117001 — Matrix: Solid — Date Prep: 02.18.2020
MB Sample Id: 7696954-1-BLK — LCS Sample Id: 7696954-1-BKS — LCSD Sample Id: 7696954-1-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	0.118	118	0.114	114	70-130	3	35	mg/kg	02.19.2020 04:00	
Toluene	<0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	02.19.2020 04:00	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0983	98	71-129	3	35	mg/kg	02.19.2020 04:00	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.192	96	70-135	3	35	mg/kg	02.19.2020 04:00	
o-Xylene	<0.00200	0.100	0.100	100	0.0982	98	71-133	2	35	mg/kg	02.19.2020 04:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		111		111		70-130	%	02.19.2020 04:00
4-Bromofluorobenzene	96		90		90		70-130	%	02.19.2020 04:00

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117186 — Matrix: Solid — Date Prep: 02.20.2020
MB Sample Id: 7697112-1-BLK — LCS Sample Id: 7697112-1-BKS — LCSD Sample Id: 7697112-1-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	0.103	103	0.101	101	70-130	2	35	mg/kg	02.20.2020 12:33	
Toluene	<0.00200	0.100	0.101	101	0.0984	98	70-130	3	35	mg/kg	02.20.2020 12:33	
Ethylbenzene	<0.00200	0.100	0.0983	98	0.0951	95	71-129	3	35	mg/kg	02.20.2020 12:33	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.196	98	70-135	4	35	mg/kg	02.20.2020 12:33	
o-Xylene	<0.00200	0.100	0.101	101	0.0978	98	71-133	3	35	mg/kg	02.20.2020 12:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		104		70-130	%	02.20.2020 12:33
4-Bromofluorobenzene	93		93		94		70-130	%	02.20.2020 12:33

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3116980 — Matrix: Soil — Date Prep: 02.18.2020
Parent Sample Id: 652840-017 — MS Sample Id: 652840-017 S — MSD Sample Id: 652840-017 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	0.0825	82	0.0967	97	70-130	16	35	mg/kg	02.19.2020 04:27	
Toluene	<0.00202	0.101	0.0895	89	0.0920	93	70-130	3	35	mg/kg	02.19.2020 04:27	
Ethylbenzene	<0.00202	0.101	0.0853	84	0.0870	88	71-129	2	35	mg/kg	02.19.2020 04:27	
m,p-Xylenes	<0.00403	0.202	0.170	84	0.178	90	70-135	5	35	mg/kg	02.19.2020 04:27	
o-Xylene	<0.00202	0.101	0.0881	87	0.0900	91	71-133	2	35	mg/kg	02.19.2020 04:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		104		70-130	%	02.19.2020 04:27
4-Bromofluorobenzene	92		94		70-130	%	02.19.2020 04:27

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 652840

TRC Solutions, Inc

KM NGPL CS 167

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3117001 Matrix: Soil Date Prep: 02.18.2020
Parent Sample Id: 652839-010 MS Sample Id: 652839-010 S MSD Sample Id: 652839-010 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	0.0985	99	0.102	101	70-130	3	35	mg/kg	02.19.2020 13:40	
Toluene	<0.00200	0.0998	0.0824	83	0.0850	84	70-130	3	35	mg/kg	02.19.2020 13:40	
Ethylbenzene	<0.00200	0.0998	0.0720	72	0.0732	72	71-129	2	35	mg/kg	02.19.2020 13:40	
m,p-Xylenes	<0.00399	0.200	0.138	69	0.139	69	70-135	1	35	mg/kg	02.19.2020 13:40	X
o-Xylene	<0.00200	0.0998	0.0687	69	0.0689	68	71-133	0	35	mg/kg	02.19.2020 13:40	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		111		70-130	%	02.19.2020 13:40
4-Bromofluorobenzene	85		86		70-130	%	02.19.2020 13:40

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3117186 Matrix: Soil Date Prep: 02.20.2020
Parent Sample Id: 652839-003 MS Sample Id: 652839-003 S MSD Sample Id: 652839-003 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	0.102	101	0.124	124	70-130	19	35	mg/kg	02.20.2020 13:14	
Toluene	<0.00202	0.101	0.110	109	0.121	121	70-130	10	35	mg/kg	02.20.2020 13:14	
Ethylbenzene	<0.00202	0.101	0.107	106	0.117	117	71-129	9	35	mg/kg	02.20.2020 13:14	
m,p-Xylenes	<0.00404	0.202	0.224	111	0.240	120	70-135	7	35	mg/kg	02.20.2020 13:14	
o-Xylene	<0.00202	0.101	0.111	110	0.118	118	71-133	6	35	mg/kg	02.20.2020 13:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		104		70-130	%	02.20.2020 13:14
4-Bromofluorobenzene	96		92		70-130	%	02.20.2020 13:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
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Work Order No: 652840

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Project Manager:	JARED SCHAFFEL	Bill to: (if different)	GLEN THOMPSON
Company Name:	TRC - MIDLAND	Company Name:	KINDER MORGAN
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		JSCHAFFEL@TRCCOMPANIES.COM

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	KM ~~BS~~ NGPL CS167	Turn Around	
Project Number:		Routine ☐	
Project Location	MALJAMAR NM	Rush: 24HR	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	4.4	Thermometer ID	T-NM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	~~2/18/20~~ 27

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	TPH	HOLD FOR INSTRUMENTAL IRON ANALYSIS	Sample Comments
	S1 @ 0-6"	S	~~2/18/20~~	1000	0-6"	1		✓	✓		
	S1 @ 1'			1001	1'	1				✓	HOLD
	E1 ~~AH9~~ @ 0-6"			1015	0-6"	1		✓	✓		
	E1 ~~AH9~~ @ 1'			1016	1'	1				✓	
	E9 @ 0-6"			1029	0-6"	1		✓	✓		
	E9 @ 1'			1030	1'	1				✓	
	AH9 @ 0-6"			1037	0-6"	1		✓	✓		
	AH9 @ 1'			1038	1'	1				✓	
	AH8 @ 0-6"			1050	0-6"	1		✓	✓		
	~~AH8~~ RUS					1					

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/18/20 1500	2		2/18/20 16:10
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
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Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
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Work Order No: 652840

Page 2 of 3

Project Manager:	JARED STOFFEL	Bill to: (if different)	GLEN THOMPSON
Company Name:	TRC - MIDLAND	Company Name:	KINDER MORGAN
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:	Email:	JSTOFFEL@TRCCOMPANIES.COM

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:		Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24Hr	
Sampler's Name:		Due Date:	
PO #:	Quote #:		

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	TPH	HOLD FOR INSTR. FROM JARED S.	Sample Comments
	AH7e 0-6"	S	10/7/2020	1103	0-6"	1		✓	✓		
	AH7e 1'			1104	1'	1				✓	
	W10e 0-6"			1118	0-6"	1		✓	✓		
	W10e 1'			1119	1'	1				✓	
	W9e 0-6"			1156	0-6"	1		✓	✓		
	W9e 1'			1157	1'	1				✓	
	W8e 0-6"			1228	0-6"	1		✓	✓		
	W7e 0-6"			1240	0-6"	1		✓	✓		
	W7e 1' 9"			1241	9"	1				✓	
	W6e 0-6"	↓	↓	1253	0-6"	1		✓	✓		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			10/8/20 1500	2		10/8/20 16:10
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

XENCO LABORATORIES

Chain of Custody

Work Order No: 652840

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Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

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Project Manager:		Bill to: (if different)	Glen Thompson
Company Name:		Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStoffel@trccompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:		Turn Around	
Project Number:		Routine ☐	
Project Location		Rush: 24 Hr	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	BTEX	TPH	Hold for inst. from Jared	Sample Comments
	E8 @ 0-6"	S	1/15/20	1313	0-6"	1	✓	✓		
	E8 @ 1'			1314	1'	1			✓	
	E7 @ 0-6"			1324	0-6"	1	✓	✓		
	E6 @ 0-6"			1333	0-6"	1	✓	✓		
	E6 @ 1'			1334	1'	1			✓	
	AH10 @ 0-6"			1022	0-6"	1	✓	✓		
	AH10 @ 1'			1023	1'	1			✓	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/18/20 1500	2		2/18/20 16:40
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 02.18.2020 04.16.00 PM

Work Order #: 652840

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

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	4.6
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?	**Yes**
#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: Elizabeth McClellan Date: 02.18.2020

Checklist reviewed by: Jessica Kramer Date: 02.19.2020

Jessica Kramer

Certificate of Analysis Summary 653805

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 Release

Project Id:
Contact: Jared Stoffel
Project Location: Lea County, NM

Date Received in Lab: Wed Feb-26-20 04:06 pm
Report Date: 28-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	653805-001		653805-002		653805-003		653805-004		653805-005		653805-006	
	Field Id:	TT-2 @2'		TT-2 @3		TT-2 @4'		TT-2 @4'6"		TT-3 @2'		TT-3 @2'8" R	
	Depth:	2- ft		3- ft		4- ft		4-6 ft		2- ft		2-8 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-25-20 09:00		Feb-25-20 09:10		Feb-25-20 09:15		Feb-25-20 09:20		Feb-25-20 09:40		Feb-25-20 10:10	
BTEX by EPA 8021B	*Extracted:*	Feb-27-20 08:15		Feb-27-20 08:15		Feb-27-20 08:15		Feb-27-20 08:15		Feb-27-20 08:15		Feb-27-20 08:15	
	Analyzed:	Feb-27-20 11:59		Feb-27-20 12:19		Feb-27-20 12:40		Feb-27-20 13:00		Feb-27-20 13:21		Feb-27-20 13:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00397	0.00397	<0.00400	0.00400	<0.00399	0.00399	<0.00396	0.00396
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.002	0.002	<0.00199	0.00199	<0.00198	0.00198	<0.002	0.002	<0.002	0.002	<0.00198	0.00198
Total BTEX		<0.002	0.002	<0.00199	0.00199	<0.00198	0.00198	<0.002	0.002	<0.002	0.002	<0.00198	0.00198
TPH By SW8015 Mod	*Extracted:*	Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45	
	Analyzed:	Feb-26-20 20:50		Feb-26-20 21:08		Feb-26-20 21:27		Feb-26-20 21:45		Feb-26-20 22:04		Feb-26-20 22:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.8	49.8	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	118	49.8	73.3	50.0	80.7	49.8	60.3	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	51.0	49.8	<50.0	50.0	<49.8	49.8	<49.9	49.9
Total TPH		<50	50	<49.9	49.9	169	49.8	73.3	50	80.7	49.8	60.3	49.9

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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 653805

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 Release

Project Id:
Contact: Jared Stoffel
Project Location: Lea County, NM

Date Received in Lab: Wed Feb-26-20 04:06 pm
Report Date: 28-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	653805-007		653805-008		653805-009		653805-010		653805-011		653805-012	
	Field Id:	TT-4 @1'		TT-4 @1' 6"R		TT-5 @1'		TT-5 @2'R		TT-7@2'R		TT-8 @1'	
	Depth:	1- ft		1-6 ft		1- ft		2- ft		2- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-25-20 10:15		Feb-25-20 10:45		Feb-25-20 10:55		Feb-25-20 11:20		Feb-25-20 12:35		Feb-25-20 13:10	
BTEX by EPA 8021B	*Extracted:*	Feb-27-20 08:30		Feb-27-20 08:30		Feb-27-20 08:30		Feb-27-20 08:30		Feb-27-20 08:30		Feb-27-20 08:30	
	Analyzed:	Feb-27-20 12:16		Feb-27-20 12:36		Feb-27-20 12:56		Feb-27-20 13:16		Feb-27-20 13:36		Feb-27-20 13:56	
	Units/RL:	mg/kg	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	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00398	0.00398	<0.00400	0.00400	<0.00399	0.00399	<0.00403	0.00403	<0.00401	0.00401	<0.00398	0.00398
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00199	0.00199	<0.002	0.002	<0.002	0.002	<0.00202	0.00202	<0.002	0.002	<0.00199	0.00199
Total BTEX		<0.00199	0.00199	<0.002	0.002	<0.002	0.002	<0.00202	0.00202	<0.002	0.002	<0.00199	0.00199
TPH By SW8015 Mod	*Extracted:*	Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45		Feb-26-20 16:45	
	Analyzed:	Feb-26-20 23:00		Feb-26-20 23:19		Feb-26-20 23:37		Feb-26-20 23:56		Feb-27-20 00:14		Feb-27-20 00:33	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		50.3	49.9	92.4	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	89.6	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		50.3	49.9	92.4	50	<49.9	49.9	<49.8	49.8	<50	50	89.6	50

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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 653805

TRC Solutions, Inc, Midland, TX

Project Name: CS 167 Release

Project Id:

Contact: Jared Stoffel

Project Location: Lea County, NM

Date Received in Lab: Wed Feb-26-20 04:06 pm

Report Date: 28-FEB-20

Project Manager: Jessica Kramer

Analysis Requested								
	Lab Id:	653805-013						
	Field Id:	TT-8 @2'R						
	Depth:	2- ft						
	Matrix:	SOIL						
	Sampled:	Feb-25-20 13:20						
BTEX by EPA 8021B	***Extracted:***	Feb-27-20 08:30						
	Analyzed:	Feb-27-20 14:16						
	Units/RL:	mg/kg	RL					
Benzene		<0.00198	0.00198					
Toluene		<0.00198	0.00198					
Ethylbenzene		<0.00198	0.00198					
m,p-Xylenes		<0.00396	0.00396					
o-Xylene		<0.00198	0.00198					
Total Xylenes		<0.00198	0.00198					
Total BTEX		<0.00198	0.00198					
TPH By SW8015 Mod	***Extracted:***	Feb-26-20 16:45						
	Analyzed:	Feb-27-20 00:52						
	Units/RL:	mg/kg	RL					
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9					
Diesel Range Organics (DRO)		<49.9	49.9					
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9					
Total TPH		<49.9	49.9					

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Analytical Report 653805

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

CS 167 Release

28-FEB-20

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

28-FEB-20

Project Manager: **Jared Stoffel**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: XENCO Report No(s): **653805**
CS 167 Release
Project Address: Lea County, NM

Jared Stoffel:

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) 653805. 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. 653805 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,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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Sample Cross Reference 653805

TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TT-2 @2'	S	02-25-20 09:00	2 ft	653805-001
TT-2 @3	S	02-25-20 09:10	3 ft	653805-002
TT-2 @4'	S	02-25-20 09:15	4 ft	653805-003
TT-2 @4'6"	S	02-25-20 09:20	4 - 6 ft	653805-004
TT-3 @2'	S	02-25-20 09:40	2 ft	653805-005
TT-3 @2'8" R	S	02-25-20 10:10	2 - 8 ft	653805-006
TT-4 @1'	S	02-25-20 10:15	1 ft	653805-007
TT-4 @1' 6"R	S	02-25-20 10:45	1 - 6 ft	653805-008
TT-5 @1'	S	02-25-20 10:55	1 ft	653805-009
TT-5 @2'R	S	02-25-20 11:20	2 ft	653805-010
TT-7@2'R	S	02-25-20 12:35	2 ft	653805-011
TT-8 @1'	S	02-25-20 13:10	1 ft	653805-012
TT-8 @2'R	S	02-25-20 13:20	2 ft	653805-013

Version: 1.%

CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: CS 167 Release

Project ID:
Work Order Number(s): *653805*

Report Date: *28-FEB-20*
Date Received: *02/26/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3117931 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3117933 BTEX by EPA 8021B
Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.
Samples in the analytical batch are: 653805-001, -002, -003, -004, -005, -006

Lab Sample ID 653805-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD).
Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 653805-001, -002, -003, -004, -005, -006.
The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.
Surrogate 1,4-Difluorobenzene, Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.
Samples affected are: 653805-001 S.

Certificate of Analytical Results 653805

TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id: **TT-2 @2'** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-001 Date Collected: 02.25.20 09.00 Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.26.20 20.50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.26.20 20.50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.26.20 20.50	U	1
Total TPH	PHC635	<50	50	mg/kg	02.26.20 20.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	02.26.20 20.50	
o-Terphenyl	84-15-1	83	%	70-135	02.26.20 20.50	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.15 Basis: Wet Weight

Seq Number: 3117933

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.27.20 11.59	UXF	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.27.20 11.59	UXF	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.27.20 11.59	UXF	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.27.20 11.59	UXF	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.27.20 11.59	UXF	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	02.27.20 11.59	U	1
Total BTEX		<0.002	0.002	mg/kg	02.27.20 11.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	124	%	70-130	02.27.20 11.59	
1,4-Difluorobenzene	540-36-3	93	%	70-130	02.27.20 11.59	

Certificate of Analytical Results 653805

TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id: **TT-2 @3** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-002 Date Collected: 02.25.20 09.10 Sample Depth: 3 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.26.20 21.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.26.20 21.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.26.20 21.08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.26.20 21.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	02.26.20 21.08	
o-Terphenyl	84-15-1	85	%	70-135	02.26.20 21.08	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.15 Basis: Wet Weight

Seq Number: 3117933

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.27.20 12.19	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.27.20 12.19	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.27.20 12.19	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.27.20 12.19	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.27.20 12.19	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.27.20 12.19	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.27.20 12.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.27.20 12.19	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.27.20 12.19	

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TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id: **TT-2 @4'** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-003 Date Collected: 02.25.20 09.15 Sample Depth: 4 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.26.20 21.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	**118**	49.8	mg/kg	02.26.20 21.27		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**51.0**	49.8	mg/kg	02.26.20 21.27		1
Total TPH	PHC635	**169**	49.8	mg/kg	02.26.20 21.27		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	02.26.20 21.27	
o-Terphenyl	84-15-1	84	%	70-135	02.26.20 21.27	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.15 Basis: Wet Weight

Seq Number: 3117933

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.27.20 12.40	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.27.20 12.40	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.27.20 12.40	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.27.20 12.40	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.27.20 12.40	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.27.20 12.40	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.27.20 12.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.27.20 12.40	
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.27.20 12.40	

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CS 167 Release

Sample Id:	**TT-2 @4'6"**	Matrix:	Soil	Date Received:	02.26.20 16.06
Lab Sample Id:	653805-004	Date Collected:	02.25.20 09.20	Sample Depth:	4 - 6 ft

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	02.26.20 16.45	Basis:	Wet Weight
Seq Number:	3117889				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.26.20 21.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	**73.3**	50.0	mg/kg	02.26.20 21.45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.26.20 21.45	U	1
Total TPH	PHC635	**73.3**	50	mg/kg	02.26.20 21.45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	02.26.20 21.45	
o-Terphenyl	84-15-1	82	%	70-135	02.26.20 21.45	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	02.27.20 08.15	Basis:	Wet Weight
Seq Number:	3117933				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.27.20 13.00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.27.20 13.00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.27.20 13.00	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.27.20 13.00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.27.20 13.00	U	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	02.27.20 13.00	U	1
Total BTEX		<0.002	0.002	mg/kg	02.27.20 13.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	02.27.20 13.00	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.27.20 13.00	

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CS 167 Release

Sample Id:	**TT-3 @2'**	Matrix:	Soil	Date Received:	02.26.20 16.06
Lab Sample Id:	653805-005	Date Collected:	02.25.20 09.40	Sample Depth:	2 ft

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	02.26.20 16.45	Basis:	Wet Weight
Seq Number:	3117889				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.26.20 22.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	**80.7**	49.8	mg/kg	02.26.20 22.04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.26.20 22.04	U	1
Total TPH	PHC635	**80.7**	49.8	mg/kg	02.26.20 22.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	02.26.20 22.04	
o-Terphenyl	84-15-1	83	%	70-135	02.26.20 22.04	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	02.27.20 08.15	Basis:	Wet Weight
Seq Number:	3117933				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.27.20 13.21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.27.20 13.21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.27.20 13.21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.27.20 13.21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.27.20 13.21	U	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	02.27.20 13.21	U	1
Total BTEX		<0.002	0.002	mg/kg	02.27.20 13.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	02.27.20 13.21	
1,4-Difluorobenzene	540-36-3	90	%	70-130	02.27.20 13.21	

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CS 167 Release

Sample Id:	**TT-3 @2'8" R**	Matrix:	Soil	Date Received:	02.26.20 16.06
Lab Sample Id:	653805-006	Date Collected:	02.25.20 10.10	Sample Depth:	2 - 8 ft

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	02.26.20 16.45	Basis:	Wet Weight
Seq Number:	3117889				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.26.20 22.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	**60.3**	49.9	mg/kg	02.26.20 22.23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.26.20 22.23	U	1
Total TPH	PHC635	**60.3**	49.9	mg/kg	02.26.20 22.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	02.26.20 22.23	
o-Terphenyl	84-15-1	77	%	70-135	02.26.20 22.23	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	02.27.20 08.15	Basis:	Wet Weight
Seq Number:	3117933				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.27.20 13.41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.27.20 13.41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.27.20 13.41	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.27.20 13.41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.27.20 13.41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.27.20 13.41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.27.20 13.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	111	%	70-130	02.27.20 13.41	
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.27.20 13.41	

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CS 167 Release

Sample Id: **TT-4 @1'** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-007 Date Collected: 02.25.20 10.15 Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.26.20 23.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	**50.3**	49.9	mg/kg	02.26.20 23.00		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.26.20 23.00	U	1
Total TPH	PHC635	**50.3**	49.9	mg/kg	02.26.20 23.00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	02.26.20 23.00	
o-Terphenyl	84-15-1	81	%	70-135	02.26.20 23.00	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.30 Basis: Wet Weight

Seq Number: 3117931

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.27.20 12.16	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.27.20 12.16	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.27.20 12.16	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.27.20 12.16	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.27.20 12.16	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.27.20 12.16	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.27.20 12.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	92	%	70-130	02.27.20 12.16	
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.27.20 12.16	

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TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id:	**TT-4 @1' 6"R**	Matrix:	Soil	Date Received:	02.26.20 16.06
Lab Sample Id:	653805-008	Date Collected:	02.25.20 10.45	Sample Depth:	1 - 6 ft

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	02.26.20 16.45	Basis:	Wet Weight
Seq Number:	3117889				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.26.20 23.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	**92.4**	50.0	mg/kg	02.26.20 23.19		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.26.20 23.19	U	1
Total TPH	PHC635	**92.4**	50	mg/kg	02.26.20 23.19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	02.26.20 23.19	
o-Terphenyl	84-15-1	83	%	70-135	02.26.20 23.19	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	02.27.20 08.30	Basis:	Wet Weight
Seq Number:	3117931				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.27.20 12.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.27.20 12.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.27.20 12.36	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.27.20 12.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.27.20 12.36	U	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	02.27.20 12.36	U	1
Total BTEX		<0.002	0.002	mg/kg	02.27.20 12.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.27.20 12.36	
1,4-Difluorobenzene	540-36-3	91	%	70-130	02.27.20 12.36	

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CS 167 Release

Sample Id: **TT-5 @1'** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-009 Date Collected: 02.25.20 10.55 Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.26.20 23.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.26.20 23.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.26.20 23.37	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.26.20 23.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	02.26.20 23.37	
o-Terphenyl	84-15-1	85	%	70-135	02.26.20 23.37	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.30 Basis: Wet Weight

Seq Number: 3117931

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.27.20 12.56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.27.20 12.56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.27.20 12.56	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.27.20 12.56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.27.20 12.56	U	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	02.27.20 12.56	U	1
Total BTEX		<0.002	0.002	mg/kg	02.27.20 12.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	02.27.20 12.56	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.27.20 12.56	

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CS 167 Release

Sample Id:	**TT-5 @2'R**	Matrix:	Soil	Date Received:	02.26.20 16.06
Lab Sample Id:	653805-010	Date Collected:	02.25.20 11.20	Sample Depth:	2 ft

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	02.26.20 16.45	Basis:	Wet Weight
Seq Number:	3117889				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.26.20 23.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.26.20 23.56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.26.20 23.56	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.26.20 23.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	02.26.20 23.56	
o-Terphenyl	84-15-1	82	%	70-135	02.26.20 23.56	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	02.27.20 08.30	Basis:	Wet Weight
Seq Number:	3117931				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.27.20 13.16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.27.20 13.16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.27.20 13.16	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.27.20 13.16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.27.20 13.16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.27.20 13.16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.27.20 13.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.27.20 13.16	
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.27.20 13.16	

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CS 167 Release

Sample Id:	**TT-7@2'R**	Matrix:	Soil	Date Received:	02.26.20 16.06
Lab Sample Id:	653805-011	Date Collected:	02.25.20 12.35	Sample Depth:	2 ft

Analytical Method:	TPH By SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	02.26.20 16.45	Basis:	Wet Weight
Seq Number:	3117889				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.27.20 00.14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.27.20 00.14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.27.20 00.14	U	1
Total TPH	PHC635	<50	50	mg/kg	02.27.20 00.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	02.27.20 00.14	
o-Terphenyl	84-15-1	82	%	70-135	02.27.20 00.14	

Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	02.27.20 08.30	Basis:	Wet Weight
Seq Number:	3117931				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.27.20 13.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.27.20 13.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.27.20 13.36	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.27.20 13.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.27.20 13.36	U	1
Total Xylenes	1330-20-7	<0.002	0.002	mg/kg	02.27.20 13.36	U	1
Total BTEX		<0.002	0.002	mg/kg	02.27.20 13.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	02.27.20 13.36	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.27.20 13.36	

Certificate of Analytical Results 653805

TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id: **TT-8 @1'** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-012 Date Collected: 02.25.20 13.10 Sample Depth: 1 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.27.20 00.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	**89.6**	50.0	mg/kg	02.27.20 00.33		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.27.20 00.33	U	1
Total TPH	PHC635	**89.6**	50	mg/kg	02.27.20 00.33		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	02.27.20 00.33	
o-Terphenyl	84-15-1	83	%	70-135	02.27.20 00.33	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.30 Basis: Wet Weight

Seq Number: 3117931

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.27.20 13.56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.27.20 13.56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.27.20 13.56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.27.20 13.56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.27.20 13.56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.27.20 13.56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.27.20 13.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	02.27.20 13.56	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.27.20 13.56	

Certificate of Analytical Results 653805

TRC Solutions, Inc, Midland, TX

CS 167 Release

Sample Id: **TT-8 @2'R** Matrix: Soil Date Received:02.26.20 16.06

Lab Sample Id: 653805-013 Date Collected: 02.25.20 13.20 Sample Depth: 2 ft

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 02.26.20 16.45 Basis: Wet Weight

Seq Number: 3117889

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.27.20 00.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.27.20 00.52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.27.20 00.52	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.27.20 00.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	02.27.20 00.52	
o-Terphenyl	84-15-1	82	%	70-135	02.27.20 00.52	

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

Tech: KTL % Moisture:

Analyst: KTL Date Prep: 02.27.20 08.30 Basis: Wet Weight

Seq Number: 3117931

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.27.20 14.16	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.27.20 14.16	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.27.20 14.16	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.27.20 14.16	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.27.20 14.16	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.27.20 14.16	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.27.20 14.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.27.20 14.16	
1,4-Difluorobenzene	540-36-3	96	%	70-130	02.27.20 14.16	

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

QC Summary 653805

TRC Solutions, Inc

CS 167 Release

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117889 — Matrix: Solid — Date Prep: 02.26.20
MB Sample Id: 7697536-1-BLK — LCS Sample Id: 7697536-1-BKS — LCSD Sample Id: 7697536-1-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	880	88	903	90	70-135	3	20	mg/kg	02.26.20 18:21	
Diesel Range Organics (DRO)	<15.0	1000	957	96	981	98	70-135	2	20	mg/kg	02.26.20 18:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		107		111		70-135	%	02.26.20 18:21
o-Terphenyl	93		101		108		70-135	%	02.26.20 18:21

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117889 — Matrix: Solid — Date Prep: 02.26.20
MB Sample Id: 7697536-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.26.20 18:02	

Analytical Method: TPH By SW8015 Mod — Prep Method: SW8015P
Seq Number: 3117889 — Matrix: Soil — Date Prep: 02.26.20
Parent Sample Id: 653717-001 — MS Sample Id: 653717-001 S — MSD Sample Id: 653717-001 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	831	83	829	83	70-135	0	20	mg/kg	02.26.20 19:16	
Diesel Range Organics (DRO)	<15.0	998	928	93	930	93	70-135	0	20	mg/kg	02.26.20 19:16	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		96		70-135	%	02.26.20 19:16
o-Terphenyl	88		84		70-135	%	02.26.20 19:16

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 653805

TRC Solutions, Inc

CS 167 Release

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117933 — Matrix: Solid — Date Prep: 02.27.20
MB Sample Id: 7697639-1-BLK — LCS Sample Id: 7697639-1-BKS — LCSD Sample Id: 7697639-1-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	0.0846	85	0.0879	88	70-130	4	35	mg/kg	02.27.20 09:03	
Toluene	<0.00200	0.100	0.0866	87	0.0866	87	70-130	0	35	mg/kg	02.27.20 09:03	
Ethylbenzene	<0.00200	0.100	0.0951	95	0.0919	92	70-130	3	35	mg/kg	02.27.20 09:03	
m,p-Xylenes	<0.00400	0.200	0.188	94	0.177	89	70-130	6	35	mg/kg	02.27.20 09:03	
o-Xylene	<0.00200	0.100	0.0950	95	0.0896	90	70-130	6	35	mg/kg	02.27.20 09:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		90		92		70-130	%	02.27.20 09:03
4-Bromofluorobenzene	106		110		101		70-130	%	02.27.20 09:03

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117931 — Matrix: Solid — Date Prep: 02.27.20
MB Sample Id: 7697640-1-BLK — LCS Sample Id: 7697640-1-BKS — LCSD Sample Id: 7697640-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.105	105	0.100	100	70-130	5	35	mg/kg	02.27.20 09:36	
Toluene	<0.000456	0.100	0.108	108	0.100	100	70-130	8	35	mg/kg	02.27.20 09:36	
Ethylbenzene	<0.000565	0.100	0.106	106	0.0975	98	70-130	8	35	mg/kg	02.27.20 09:36	
m,p-Xylenes	<0.00101	0.200	0.210	105	0.191	96	70-130	9	35	mg/kg	02.27.20 09:36	
o-Xylene	<0.000344	0.100	0.106	106	0.0964	96	70-130	9	35	mg/kg	02.27.20 09:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	88		96		97		70-130	%	02.27.20 09:36
4-Bromofluorobenzene	92		106		101		70-130	%	02.27.20 09:36

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3117933 — Matrix: Soil — Date Prep: 02.27.20
Parent Sample Id: 653805-001 — MS Sample Id: 653805-001 S — MSD Sample Id: 653805-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0790	79	0.0485	49	70-130	48	35	mg/kg	02.27.20 10:08	XF
Toluene	<0.00199	0.0996	0.0802	81	0.0509	51	70-130	45	35	mg/kg	02.27.20 10:08	XF
Ethylbenzene	<0.00199	0.0996	0.0867	87	0.0525	53	70-130	49	35	mg/kg	02.27.20 10:08	XF
m,p-Xylenes	<0.00398	0.199	0.172	86	0.0992	50	70-130	54	35	mg/kg	02.27.20 10:08	XF
o-Xylene	<0.00199	0.0996	0.0877	88	0.0512	51	70-130	53	35	mg/kg	02.27.20 10:08	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	227	**	90		70-130	%	02.27.20 10:08
4-Bromofluorobenzene	142	**	97		70-130	%	02.27.20 10:08

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 653805

TRC Solutions, Inc

CS 167 Release

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

Seq Number: 3117931 Matrix: Soil Date Prep: 02.27.20

Parent Sample Id: 653427-001 MS Sample Id: 653427-001 S MSD Sample Id: 653427-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.000585	0.0992	0.102	102	0.103	103	70-130	1	35	mg/kg	02.27.20 10:17	
Toluene	<0.000452	0.0992	0.0983	99	0.101	101	70-130	3	35	mg/kg	02.27.20 10:17	
Ethylbenzene	<0.000560	0.0992	0.0936	94	0.0943	95	70-130	1	35	mg/kg	02.27.20 10:17	
m,p-Xylenes	<0.00101	0.198	0.180	91	0.181	91	70-130	1	35	mg/kg	02.27.20 10:17	
o-Xylene	0.000506	0.0992	0.0905	91	0.0918	92	70-130	1	35	mg/kg	02.27.20 10:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		105		70-130	%	02.27.20 10:17
4-Bromofluorobenzene	105		107		70-130	%	02.27.20 10:17

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

Work Order No: 1053805

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701
www.xenco.com

Project Manager:	Jared Stoffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	Jstoffel@TRCCompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS 162 Release	Turn Around	
Project Number:	~~Lea County, NM~~	Routine ☐	
Project Location	Lea County, NM	Rush: 24hr	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	2.9	Thermometer ID		
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:		
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	TPH 8015M	Sample Comments
	TT-2@2'	S	2/25/20	9:00	2'	1		X	X	
	TT-2@3'			9:10	3'	1		X	X	
	TT-2@4'			9:15	4'	1		X	X	
	TT-2@4'6"			9:20	4'6"	1		X	X	
	TT-3@2'			9:40	2'	1		X	X	
	TT-3@2'8" R			10:10	2'8"	1		X	X	
	TT-4@1'			10:15	1'	1		X	X	
	TT-4@1'6" R			10:45	1'6"	1		X	X	
	TT-5@1'			10:55	1'	1		X	X	
	TT-5@2' R			11:20	2'	1		X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/26/20	2		
3				4		
5				6		

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Craslbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 453605

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Project Manager:	Jared Stoffel	Bill to: (if different)	Glen Thompson
Company Name:	TRC-Midland	Company Name:	Kinder Morgan
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	JStoffel@TRCCompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	CS 167 Release	Turn Around	
Project Number:		Routine ☐	
Project Location	Lea County, NM	Rush: 24Hr	
Sampler's Name:		Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.0	Thermometer ID	IR
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	
Sample Custody Seals:	Yes No (N/A)	Total Containers:	

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Pres. Code	BTEX	TPH 8015M	Sample Comments
	FT-7 @ 2'R	S	2/25/20	12:35	2'	1		X	X	
	FT-8 @ 1'	S	2/25/20	13:10	1'	1		X	X	
	FT-8 @ 2'R	S	2/25/20	13:20	2'	1		X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 : Hg

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 $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2		
3			4		
5			6		

Revised Date 022619 Rev. 2019.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 02.26.2020 04.06.00 PM

Work Order #: 653805

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)?	5.6
#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)?	**N/A**
#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: Brianna Teel Date: 02.26.2020
Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 02.27.2020
Jessica Kramer

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Certificate of Analysis Summary 686109

TRC Solutions, Inc, Midland, TX

Project Name: Maljimar CS 167

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 01.26.2021 16:06

Report Date: 01.29.2021 14:29

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686109-001		686109-002		686109-003		686109-004		686109-005		686109-006	
	Field Id:	E-1A @ 0-6"		E-2A @ 0-6"		E-3A @ 0-6"		E-4A @ 0-6"		E-5A @ 0-6"		E-6A @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 09:30		01.25.2021 09:35		01.25.2021 09:40		01.25.2021 09:45		01.25.2021 09:50		01.25.2021 09:55	
Chloride by EPA 300	***Extracted:***	01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15	
	Analyzed:	01.28.2021 11:08		01.28.2021 11:14		01.28.2021 11:19		01.28.2021 11:35		01.28.2021 11:40		01.28.2021 11:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		23.2	4.95	12.1	5.04	9.23	5.00	9.89	4.96	12.1	4.98	16.5	4.96

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686109

TRC Solutions, Inc, Midland, TX

Project Name: Maljimar CS 167

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 01.26.2021 16:06

Report Date: 01.29.2021 14:29

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686109-007		686109-008		686109-009		686109-010		686109-011		686109-012	
	Field Id:	E-7A @ 0-6"		E-8A @ 0-6"		E-9A @ 0-6"		E-10A @ 0-6"		N-1A @ 0-6"		W-1A @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 10:00		01.25.2021 10:05		01.25.2021 10:10		01.25.2021 10:15		01.25.2021 10:20		01.25.2021 10:25	
Chloride by EPA 300	***Extracted:***	01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15		01.27.2021 18:15	
	Analyzed:	01.28.2021 12:03		01.28.2021 12:08		01.28.2021 12:13		01.28.2021 12:19		01.28.2021 12:24		01.28.2021 12:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.3	5.03	27.3	5.00	7.13	4.97	7.74	4.95	16.8	4.99	7.36	4.98

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686109

TRC Solutions, Inc, Midland, TX

Project Name: Maljimar CS 167

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 01.26.2021 16:06

Report Date: 01.29.2021 14:29

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686109-013		686109-014		686109-015		686109-016		686109-017		686109-018	
	Field Id:	W-2A @ 0-6"		W-3A @ 0-6"		W-4A @ 0-6"		W-5A @ 0-6"		W-6A @ 0-6"		W-7A @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 10:30		01.25.2021 10:35		01.25.2021 10:40		01.25.2021 10:45		01.25.2021 10:50		01.25.2021 10:55	
Chloride by EPA 300	***Extracted:***	01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00	
	Analyzed:	01.28.2021 14:08		01.28.2021 14:24		01.28.2021 14:30		01.28.2021 14:35		01.28.2021 14:40		01.28.2021 14:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.0 X	5.04	12.6	4.96	8.64	4.99	10.7	5.05	9.96	4.97	12.6	4.99

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686109

TRC Solutions, Inc, Midland, TX

Project Name: Maljimar CS 167

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 01.26.2021 16:06

Report Date: 01.29.2021 14:29

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686109-019		686109-020		686109-021		686109-022		686109-023		686109-024	
	Field Id:	W-8A @ 0-6"		W-9A @ 0-6"		W-10A @ 0-6"		S-1A @ 0-6"		AH-1A @ 0-6"		AH-2A @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 11:00		01.25.2021 11:05		01.25.2021 11:10		01.25.2021 11:15		01.25.2021 11:20		01.25.2021 11:25	
Chloride by EPA 300	***Extracted:***	01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00	
	Analyzed:	01.28.2021 15:02		01.28.2021 15:07		01.28.2021 15:12		01.28.2021 15:18		01.28.2021 15:23		01.28.2021 15:39	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		10.9	5.00	8.31	5.03	8.84	5.00	8.51	4.99	11.1	5.04	15.1	5.05

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Certificate of Analysis Summary 686109

TRC Solutions, Inc, Midland, TX

Project Name: Maljimar CS 167

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 01.26.2021 16:06

Report Date: 01.29.2021 14:29

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686109-025		686109-026		686109-027		686109-028		686109-029		686109-030	
	Field Id:	AH-3A @ 0-6"		AH-4A @ 0-6"		AH-5A @ 0-6"		AH-6A @ 0-6"		AH-7A @ 0-6"		AH-8A @ 0-6"	
	Depth:	0-6 In		0-6 In		0-6 In		0-6 In		0-6 In		0-6 In	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.25.2021 11:30		01.25.2021 11:35		01.25.2021 11:40		01.25.2021 11:45		01.25.2021 11:50		01.25.2021 11:55	
Chloride by EPA 300	***Extracted:***	01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00		01.27.2021 08:00	
	Analyzed:	01.28.2021 15:44		01.28.2021 16:00		01.28.2021 16:05		01.28.2021 16:11		01.28.2021 16:16		01.28.2021 16:21	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		19.1	4.98	9.86	5.00	9.79	5.04	10.8	4.97	8.77	4.99	9.06	5.05

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686109

TRC Solutions, Inc, Midland, TX

Project Name: Maljimar CS 167

Project Id:

Contact: Jared Stoffel

Project Location:

Date Received in Lab: Tue 01.26.2021 16:06

Report Date: 01.29.2021 14:29

Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	686109-031	686109-032				
	Field Id:	AH-9A @ 0-6"	AH-10A @ 0-6"				
	Depth:	0-6 In	0-6 In				
	Matrix:	SOIL	SOIL				
	Sampled:	01.25.2021 12:00	01.25.2021 12:05				
Chloride by EPA 300	***Extracted:***	01.27.2021 08:00	01.27.2021 08:00				
	Analyzed:	01.28.2021 16:27	01.28.2021 16:32				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		7.72 4.99	9.41 4.95				

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 686109

for

TRC Solutions, Inc

Project Manager: Jared Stoffel

Maljimar CS 167

01.29.2021

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.29.2021

Project Manager: **Jared Stoffel**
TRC Solutions, Inc
2057 Commerce
Midland, TX 79703

Reference: Eurofins Xenco, LLC Report No(s): **686109**
Maljimar CS 167
Project Address:

Jared Stoffel:

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 Eurofins Xenco, LLC Report Number(s) 686109. 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 Eurofins Xenco, LLC. 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. 686109 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 Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
E-1A @ 0-6"	S	01.25.2021 09:30	0 - 6 In	686109-001
E-2A @ 0-6"	S	01.25.2021 09:35	0 - 6 In	686109-002
E-3A @ 0-6"	S	01.25.2021 09:40	0 - 6 In	686109-003
E-4A @ 0-6"	S	01.25.2021 09:45	0 - 6 In	686109-004
E-5A @ 0-6"	S	01.25.2021 09:50	0 - 6 In	686109-005
E-6A @ 0-6"	S	01.25.2021 09:55	0 - 6 In	686109-006
E-7A @ 0-6"	S	01.25.2021 10:00	0 - 6 In	686109-007
E-8A @ 0-6"	S	01.25.2021 10:05	0 - 6 In	686109-008
E-9A @ 0-6"	S	01.25.2021 10:10	0 - 6 In	686109-009
E-10A @ 0-6"	S	01.25.2021 10:15	0 - 6 In	686109-010
N-1A @ 0-6"	S	01.25.2021 10:20	0 - 6 In	686109-011
W-1A @ 0-6"	S	01.25.2021 10:25	0 - 6 In	686109-012
W-2A @ 0-6"	S	01.25.2021 10:30	0 - 6 In	686109-013
W-3A @ 0-6"	S	01.25.2021 10:35	0 - 6 In	686109-014
W-4A @ 0-6"	S	01.25.2021 10:40	0 - 6 In	686109-015
W-5A @ 0-6"	S	01.25.2021 10:45	0 - 6 In	686109-016
W-6A @ 0-6"	S	01.25.2021 10:50	0 - 6 In	686109-017
W-7A @ 0-6"	S	01.25.2021 10:55	0 - 6 In	686109-018
W-8A @ 0-6"	S	01.25.2021 11:00	0 - 6 In	686109-019
W-9A @ 0-6"	S	01.25.2021 11:05	0 - 6 In	686109-020
W-10A @ 0-6"	S	01.25.2021 11:10	0 - 6 In	686109-021
S-1A @ 0-6"	S	01.25.2021 11:15	0 - 6 In	686109-022
AH-1A @ 0-6"	S	01.25.2021 11:20	0 - 6 In	686109-023
AH-2A @ 0-6"	S	01.25.2021 11:25	0 - 6 In	686109-024
AH-3A @ 0-6"	S	01.25.2021 11:30	0 - 6 In	686109-025
AH-4A @ 0-6"	S	01.25.2021 11:35	0 - 6 In	686109-026
AH-5A @ 0-6"	S	01.25.2021 11:40	0 - 6 In	686109-027
AH-6A @ 0-6"	S	01.25.2021 11:45	0 - 6 In	686109-028
AH-7A @ 0-6"	S	01.25.2021 11:50	0 - 6 In	686109-029
AH-8A @ 0-6"	S	01.25.2021 11:55	0 - 6 In	686109-030
AH-9A @ 0-6"	S	01.25.2021 12:00	0 - 6 In	686109-031
AH-10A @ 0-6"	S	01.25.2021 12:05	0 - 6 In	686109-032

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CASE NARRATIVE

Client Name: TRC Solutions, Inc

Project Name: Maljimar CS 167

Project ID:
Work Order Number(s): *686109*

Report Date: *01.29.2021*
Date Received: *01.26.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3149313 Chloride by EPA 300

Lab Sample ID 686109-023 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 686109-013, -014, -015, -016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-1A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-001	Date Collected:	01.25.2021 09:30	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.2**	4.95	mg/kg	01.28.2021 11:08		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-2A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-002	Date Collected:	01.25.2021 09:35	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.1**	5.04	mg/kg	01.28.2021 11:14		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-3A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-003	Date Collected:	01.25.2021 09:40	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.23**	5.00	mg/kg	01.28.2021 11:19		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-4A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-004	Date Collected:	01.25.2021 09:45	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.89**	4.96	mg/kg	01.28.2021 11:35		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-5A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-005	Date Collected:	01.25.2021 09:50	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.1**	4.98	mg/kg	01.28.2021 11:40		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-6A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-006	Date Collected:	01.25.2021 09:55	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.5**	4.96	mg/kg	01.28.2021 11:56		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-7A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-007	Date Collected:	01.25.2021 10:00	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.3**	5.03	mg/kg	01.28.2021 12:03		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-8A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-008	Date Collected:	01.25.2021 10:05	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.3**	5.00	mg/kg	01.28.2021 12:08		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-9A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-009	Date Collected:	01.25.2021 10:10	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.13**	4.97	mg/kg	01.28.2021 12:13		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**E-10A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-010	Date Collected:	01.25.2021 10:15	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.74**	4.95	mg/kg	01.28.2021 12:19		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**N-1A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-011	Date Collected:	01.25.2021 10:20	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**16.8**	4.99	mg/kg	01.28.2021 12:24		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-1A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-012	Date Collected:	01.25.2021 10:25	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 18:15	% Moisture:	
Seq Number:	3149204			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.36**	4.98	mg/kg	01.28.2021 12:29		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-2A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-013	Date Collected:	01.25.2021 10:30	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.0**	5.04	mg/kg	01.28.2021 14:08	X	1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-3A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-014	Date Collected:	01.25.2021 10:35	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.6**	4.96	mg/kg	01.28.2021 14:24		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-4A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-015	Date Collected:	01.25.2021 10:40	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.64**	4.99	mg/kg	01.28.2021 14:30		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-5A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-016	Date Collected:	01.25.2021 10:45	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.7**	5.05	mg/kg	01.28.2021 14:35		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-6A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-017	Date Collected:	01.25.2021 10:50	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.96**	4.97	mg/kg	01.28.2021 14:40		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-7A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-018	Date Collected:	01.25.2021 10:55	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.6**	4.99	mg/kg	01.28.2021 14:56		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-8A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-019	Date Collected:	01.25.2021 11:00	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.9**	5.00	mg/kg	01.28.2021 15:02		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-9A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-020	Date Collected:	01.25.2021 11:05	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.31**	5.03	mg/kg	01.28.2021 15:07		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**W-10A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-021	Date Collected:	01.25.2021 11:10	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.84**	5.00	mg/kg	01.28.2021 15:12		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**S-1A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-022	Date Collected:	01.25.2021 11:15	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.51**	4.99	mg/kg	01.28.2021 15:18		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-1A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-023	Date Collected:	01.25.2021 11:20	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.1**	5.04	mg/kg	01.28.2021 15:23		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-2A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-024	Date Collected:	01.25.2021 11:25	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.1**	5.05	mg/kg	01.28.2021 15:39		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-3A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-025	Date Collected:	01.25.2021 11:30	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**19.1**	4.98	mg/kg	01.28.2021 15:44		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-4A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-026	Date Collected:	01.25.2021 11:35	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.86**	5.00	mg/kg	01.28.2021 16:00		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-5A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-027	Date Collected:	01.25.2021 11:40	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.79**	5.04	mg/kg	01.28.2021 16:05		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-6A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-028	Date Collected:	01.25.2021 11:45	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**10.8**	4.97	mg/kg	01.28.2021 16:11		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-7A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-029	Date Collected:	01.25.2021 11:50	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.77**	4.99	mg/kg	01.28.2021 16:16		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-8A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-030	Date Collected:	01.25.2021 11:55	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.06**	5.05	mg/kg	01.28.2021 16:21		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-9A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-031	Date Collected:	01.25.2021 12:00	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.72**	4.99	mg/kg	01.28.2021 16:27		1

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Certificate of Analytical Results 686109

TRC Solutions, Inc, Midland, TX

Maljimar CS 167

Sample Id:	**AH-10A @ 0-6"**	Matrix:	Soil	Date Received:	01.26.2021 16:06
Lab Sample Id:	686109-032	Date Collected:	01.25.2021 12:05	Sample Depth:	0 - 6 In
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE				
Analyst:	CHE	Date Prep:	01.27.2021 08:00	% Moisture:	
Seq Number:	3149313			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.41**	4.95	mg/kg	01.28.2021 16:32		1

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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. **ND** Not Detected.

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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

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QC Summary 686109

TRC Solutions, Inc

Maljimar CS 167

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149313 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720181-1-BLK — LCS Sample Id: 7720181-1-BKS — LCSD Sample Id: 7720181-1-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	257	103	258	103	90-110	0	20	mg/kg	01.28.2021 13:58	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149204 — Matrix: Solid — Date Prep: 01.27.2021
MB Sample Id: 7720179-1-BLK — LCS Sample Id: 7720179-1-BKS — LCSD Sample Id: 7720179-1-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	267	107	266	106	90-110	0	20	mg/kg	01.28.2021 09:54	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149313 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 686109-013 — MS Sample Id: 686109-013 S — MSD Sample Id: 686109-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13.0	252	277	105	297	113	90-110	7	20	mg/kg	01.28.2021 14:14	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149313 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 686109-023 — MS Sample Id: 686109-023 S — MSD Sample Id: 686109-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.1	252	275	105	276	105	90-110	0	20	mg/kg	01.28.2021 15:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149204 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 685952-013 — MS Sample Id: 685952-013 S — MSD Sample Id: 685952-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.27	252	224	85	224	85	90-110	0	20	mg/kg	01.28.2021 10:10	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3149204 — Matrix: Soil — Date Prep: 01.27.2021
Parent Sample Id: 686109-003 — MS Sample Id: 686109-003 S — MSD Sample Id: 686109-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.23	250	271	105	274	106	90-110	1	20	mg/kg	01.28.2021 11:24	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

Chain of Custody

Work Order No: 686109

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenco.com

Project Manager:	Jared Stoffel	Bill to: (if different)	Shawn Murphy
Company Name:	TRC	Company Name:	Kinder Morgan
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Jared, Tania, glen_thompson@kindermorgan.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Maljimar CS 167	Turn Around	
Project Number:		Routine	X
P.O. Number:		Rush:	
Sampler's Name:	Tania Babu	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.7	Thermometer ID		
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides (E300)	Sample Comments
E-1A @ 0-6"	ss	1/25/2021	0930	0-6"	1	x	
E-2A @ 0-6"	ss	1/25/2021	0935	0-6"	1	x	
E-3A @ 0-6"	ss	1/25/2021	0940	0-6"	1	x	x- run analysis
E-4A @ 0-6"	ss	1/25/2021	0945	0-6"	1	x	
E-5A @ 0-6"	ss	1/25/2021	0950	0-6"	1	x	
E-6A @ 0-6"	ss	1/25/2021	0955	0-6"	1	x	
E-7A @ 0-6"	ss	1/25/2021	1000	0-6"	1	x	
E-8A @ 0-6"	ss	1/25/2021	1005	0-6"	1	x	
E-9A @ 0-6"	ss	1/25/2021	1010	0-6"	1	x	
E-10A @ 0-6"	ss	1/25/2021	1015	0-6"	1	x	

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/26/2021 1600	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: 1086109

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenco.com

Project Manager:	Jared Stoffel	Bill to: (if different)	Shawn Murphy
Company Name:	TRC	Company Name:	Kinder Morgan
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Jared, Tania, glen_thompson@kindermorgan.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Maljimar CS 167	Turn Around	
Project Number:		Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Tania Babu	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.9	Thermometer ID	IR4	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides (E300)	Work Order Notes / Sample Comments
N-1A @ 0-6"	ss	1/25/2021	1020	0-6"	1	x	
W-1A @ 0-6"	ss	1/25/2021	1025	0-6"	1	x	
W-2A @ 0-6"	ss	1/25/2021	1030	0-6"	1	x	x- run analysis
W-3A @ 0-6"	ss	1/25/2021	1035	0-6"	1	x	
W-4A @ 0-6"	ss	1/25/2021	1040	0-6"	1	x	
W-5A @ 0-6"	ss	1/25/2021	1045	0-6"	1	x	
W-6A @ 0-6"	ss	1/25/2021	1050	0-6"	1	x	
W-7A @ 0-6"	ss	1/25/2021	1055	0-6"	1	x	
W-8A @ 0-6"	ss	1/25/2021	1100	0-6"	1	x	
W-9A @ 0-6"	ss	1/25/2021	1105	0-6"	1	x	

TAT starts the day recevied by the lab, if received by 4:30pm

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1/26/2021 1600			
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
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Work Order No: 6806109

www.xenco.com Page 3 of 4

Project Manager:	Jared Stoffel	Bill to: (if different)	Shawn Murphy
Company Name:	TRC	Company Name:	Kinder Morgan
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Jared, Tania, glen_thompson@kindermorgan.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Maljimar CS 167	Turn Around	
Project Number:		Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Tania Babu	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.9	Thermometer ID		
Received Intact:	Yes No		IR6	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides (E300)														
W-10A @ 0-6"	ss	1/25/2021	1110	0-6"	1	x														
S-1A @ 0-6"	ss	1/25/2021	1115	0-6"	1	x														
AH-1A @ 0-6"	ss	1/25/2021	1120	0-6"	1	x														
AH-2A @ 0-6"	ss	1/25/2021	1125	0-6"	1	x														
AH-3A @ 0-6"	ss	1/25/2021	1130	0-6"	1	x														
AH-4A @ 0-6"	ss	1/25/2021	1135	0-6"	1	x														
AH-5A @ 0-6"	ss	1/25/2021	1140	0-6"	1	x														
AH-6A @ 0-6"	ss	1/25/2021	1145	0-6"	1	x														
AH-7A @ 0-6"	ss	1/25/2021	1150	0-6"	1	x														
AH-8A @ 0-6"	ss	1/25/2021	1155	0-6"	1	x														

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

x- run analysis

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1					
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: 108109

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) www.xenco.com Page 4 of 4

Project Manager:	Jared Stoffel	Bill to: (if different)	Shawn Murphy
Company Name:	TRC	Company Name:	Kinder Morgan
Address:	10 Desta Dr. STE 150 E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 238-3003	Email:	Jared, Tania, glen_thompson@kindermorgan.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Maljimar CS 167	Turn Around	
Project Number:		Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Tania Babu	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	5.9	Thermometer ID		
Received Intact:	Yes No		IR5	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.5	
Sample Custody Seals:	Yes No N/A	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	Chlorides (E300)
AH-9A @ 0-6"	ss	1/25/2021	1200	0-6"	1	x
AH-10A @ 0-6"	ss	1/25/2021	1205	0-6"	1	x

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

x- run analysis

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	1/28/21 1604	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: TRC Solutions, Inc

Date/ Time Received: 01.26.2021 04.06.00 PM

Work Order #: 686109

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

Temperature Measuring device used : IR8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	5.9
#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)?	**N/A**
#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: Brianna Teel Date: 01.26.2021

Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 01.27.2021

Jessica Kramer

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 27265

CONDITIONS

Operator: Natural Gas Pipeline Company of America LLC 1001 Louisiana Street Houston, TX 77002	OGRID: 329155
	Action Number: 27265
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	7/21/2021