

SITE CHARACTERIZATION REPORT

Former Tank 970 / Artesia Station West NMOCD Incident No. NCE2003752717 Unit G, Section 28, Township 18S, Range 28E Latitude 32.71917, Longitude -104.18119 Eddy County, New Mexico April 2020 **Project Number: 390691**

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Site Characterization Report on behalf of Holly Energy Partners – Operating, L.P. (HEP). This document summarizes the environmental investigation performed to date at former Tank 970 at HEP's Artesia Station West facility (the "Site"). The Site is located on County Road 229 (also known as Depco Road) in Eddy County, New Mexico. The Site is located within Unit G, Section 28, Township 18 South, Range 28 East and the coordinates of the release are latitude 32.71917, longitude -104.18119. The Site location is depicted on a topographic map in Figure 1.

2.0 BACKGROUND

Stained soil was observed under former crude oil Tank 970 during its decommissioning, removal and replacement in December 2019. The hydrocarbon stained soil was observed inside the former tank footprint. There were no free liquids observed at the former location of Tank 970, and there was no liner installed beneath former Tank 970. The Site is leased by HEP and owned by the State of New Mexico. Land use in the Site vicinity is primarily oil and gas production activity and cattle grazing.

Initial site assessment and delineation activities were conducted on January 22, 2020 to determine if there had been a release from Tank 970, and if so, attempt to determine the nature and extent of soil impacts due to the release. Investigation activities were conducted in accordance with the New Mexico Oil Conservation Division (NMOCD) rule 19.15.29 New Mexico Administrative Code (NMAC). The results of the investigation and data evaluation are provided below. Figure 2 provides the Site layout and test pit and soil sample locations, as well as soil analytical data.

HEP determined that a release had occurred from Tank 970 based on the results of field screening performed during the January 2020 investigation. Field screening performed during the investigation included observations of hydrocarbon odor and staining, photo-ionization detector (PID) measurements, and chloride measurements. This is described further in Section 4.5.1 of this report. The results of the field screening are provided in Table 1.

HEP notified NMOCD of the release by phone and email on January 23, 2020 and submitted a NMOCD C-141 Form (Release Notification Report) on January 29, 2020. A copy of the completed C-141 Form is provided in Appendix A. The NMOCD accepted the initial notification and C-141 Form by email on February 6, 2020 (also provided in Appendix A), and assigned incident no. NCE2003752717.

This initial Site Characterization Report is being provided within 90 days of reporting the release (i.e., by April 22, 2020) in accordance with NMAC 19.15.29.11. A revised Site Characterization Report will be submitted to NMOCD following completion of additional site investigation activities.

3.0 NMOCD CLOSURE CRITERIA

Rule 19.15.29 NMAC provides cleanup standards for crude oil spills. The cleanup standards (described in the rule as "Closure Criteria") are based primarily on depth to groundwater, but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most



stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

TRC reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

3.1 Groundwater Evaluation

The exact depth to groundwater beneath the Site is unknown. A review of the New Mexico Office of the State Engineer (NMOSE) records indicated one water well and several other features are located within 2.5 miles of the Site. As shown on the table below, the recorded depth to groundwater for this water well (CP 00478 POD1) was 145 feet below ground surface (bgs).

The other features within 2.5 miles of the Site that appear in NMOSE's Point of Diversion (POD) Geographic Information System (GIS) Website are also summarized in the table and discussed further below.

NN	MOSE Listed Water \	Wells and Othe	r Features in the Vicir	nity of the Site
Well ID	Approximate Location Relative to Release Site	Owner	Use	Well Depth and Depth to Water (feet bgs)
RA 09588	0.6 miles to the south	Marathon Oil Company	Well Not Installed	Not Applicable
RA 08238	0.9 miles to the north	Bogle Farms	Livestock Watering	Not Applicable ¹



NI	NMOSE Listed Water Wells and Other Features in the Vicinity of the Site					
Well ID	Approximate Location Relative to Release Site	Owner	Use	Well Depth and Depth to Water (feet bgs)		
RA 08240	1.4 miles to the southwest	Bogle Farms	Livestock Watering	Not Applicable ²		
CP 01662 POD1	1.75 miles to the south-southwest	Key Livestock	Livestock Watering	1000 feet/Not Provided ³		
CP 00478 POD1	2.25 miles to the south-southwest	John A. Yates	Secondary Recovery of Oil (i.e., industrial)	312 feet/145 feet		
RA 08239	2.3 miles to the west	Key Livestock	Livestock Watering	Not Applicable ⁴		

Notes: ¹ This appears to be a water right for 1.47 acre-feet based on historical usage (12/31/1914) that is not associated with a water well.

Based on TRC's review of NMOSE records, CP 00478 POD1 is the only well within 2.5 miles of the Site with depth to water information.

3.2 Surface Features and Other Development

TRC reviewed recent aerial photographs, topographic maps, the NMOSE POD GIS website, and information available from the Eddy County, New Mexico Central Appraisal District website. As shown on Figure 3, the Site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
 - No watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the aerial photography or on the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
 - The topographic map, aerial photography, and wetland/floodplain maps (discussed below) each show a playa lake located approximately 650 feet to the south of the Site. However, there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
 - The aerial photography and information available from the Eddy County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church within 300 feet of the Site.

² This appears to be a water right for 1.52 acre-feet based on historical usage (12/31/1945) that is not associated with a water well.

³ This 2017 application lists a well depth of 1000 feet and a water right for 3 acre-feet, but no well log or other information confirming that a well was installed at this location is available in NMOSE records.

⁴ This appears to be a 2017 sale of a 1.8 acre-feet historical (12/31/1914) water right from Bogle Farms to Key Livestock. However, there is no well associated with these records.



- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
 - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by TRC.
- Within 1000 feet of any fresh water well or spring.
 - No fresh water wells or springs located within 1000 feet of the Site appear in any of the records reviewed by TRC.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
 - Based on the property and other records review by TRC, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.
 - The Site does not overlie a subsurface mine.

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicates that the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within the "low karst potential" area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of the 100-year floodplain. Figures 4, 5, and 6 depict the Site and USFWS wetlands, karst potential, and FEMA floodplain information, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

Based on this information, the Closure Criteria applicable to the Site will be based on the depth to groundwater, which is anticipated to be deeper than 100 feet based on the nearest water well with available water level data. A summary of the Closure Criteria is provided in the following table and in Table 2.



NMOCD Closure Criteria

		Closure Criteria I	Based on Depth to Gro	pundwater (mg/kg)
Const	ituent of Concern	≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs
Chl	oride (EPA 300)	600	10,000	20,000
TPH (EPA	GRO + DRO + MRO	100	2,500	2,500
8015M)	GRO + DRO	NA	1,000	1,000
Total BTE	X (EPA 8021 or 8260)	50	50	50
Benzene	e (EPA 8021 or 8260)	10	10	10

Notes: NA = not applicable.

Bgs = below ground surface.
mg/kg = milligrams per kilogram.
GRO = gasoline range organics.
DRO = diesel range organics.
MRO = motor oil range organics.
TPH = total petroleum hydrocarbons.

BTEX = benzene, toluene, ethylbenzene, and total xylenes. Green highlighted cells denote applicable Closure Criteria.

4.0 SITE ASSESSMENT/CHARACTERIZATION RESULTS

19.15.29.11 NMAC requires that a Site Characterization Report have the components described in Sections 4.1 through 4.5 of this document.

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, test pit and sample locations, and known subsurface features such as utilities is provided as Figure 2.

4.2 Depth to Groundwater

As discussed in Section 3.1, the exact depth to groundwater beneath the Site is unknown. A review of the NMOSE water well records indicates the depth to groundwater at the nearest well with known depth to water information (CP 00478 POD1, located 2.25 miles south-southwest of the Site) is 145 feet bgs.

According to the *Geologic Map of New Mexico*, soils immediately beneath the Site are mapped as quaternary-aged alluvial or eolian deposits ("Qoa"). These eolian deposits appear to be underlain by the Rustler Formation. The Rustler Formation ranges in thickness from about 200 feet in northern Eddy County to about 500 feet southeast of Carlsbad. It consists of anhydrite, gypsum, interbedded red and green sandy clay, and some beds of dolomite.¹ The Rustler

¹ Ground-Water Report 3, Geology and Ground-Water Resources of Eddy County, New Mexico, by G. E. Hendrickson and R. S. Jones, United States Geological Survey, dated 1952, reprinted 1985.



Formation can yield water to stock wells and some domestic wells, but generally is not desirable for domestic use because of its high chloride and sulfate content [USGS 1952]. This description is consistent with the overall absence of NMOSE-recorded water supply wells in the Site vicinity.

The Rustler Formation overlies the Salado Formation, which consists of halite, small amounts of other potassium salts, and red sandy shale. Groundwater found in the Salado Formation is reportedly a brine and is only used for industrial purposes in Eddy County.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 1. There are no known water sources, including wells, springs, or other sources of fresh water extraction, within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site. As depicted on Figure 1, there are several watercourses east of the Site, but all are located greater than 0.5-mile from the Site.

4.5 Soil Characteristics

4.5.1 Summary of January 2020 Investigation and Soil Sampling

On January 22, 2020, eight test pits were excavated at the Site using a backhoe to determine if soil beneath former Tank 970 has been impacted, and to determine the lateral and vertical extent of impacts. Three test pits were excavated within the footprint of former Tank 970, two test pits were excavated south of former Tank 970, and three test pits were excavated west of former Tank 970. Initially two test pits were planned to the west and south (i.e., one in each direction), but additional "step-out" test pits were excavated based on the results of field observations and screening which indicated the presence of petroleum hydrocarbon impacts in the initial test pits. The area to the north of former Tank 970 was inaccessible due to the presence of aboveground utilities and stockpiled gravel. The gravel had previously been located under former Tank 970 and was stockpiled in that location by the tank demolition contractor. The gravel stockpile has since been removed from the Site and disposed. The test pit (TP-6) installed to the east of former Tank 970 was terminated when an abandoned utility line (electrical conduit) was encountered at an approximate depth of 8 inches. After the electrical conduit was observed in the excavation, additional subsurface lines in the area were identified by HEP, preventing additional test pits from being excavated east of former Tank 970.

The total depth of the test pits ranged from 11 to 12 feet bgs. Groundwater was not encountered in any of the test pits. The total depth of the test pits was limited by refusal due to the presence of caliche encountered at a depth of 11 to 12 feet. Unconsolidated sands were observed above the caliche in all of the test pits installed at the Site.

Lithology and field observations of potential hydrocarbon impacts, including hydrocarbon odor, staining, and PID readings, were recorded for each test pit. Field measurements using chloride test kits were also conducted of select intervals in test pits TP-1, TP-2, TP-3, TP-4a, TP-4b, and TP-5. The test pit locations are depicted on Figure 2. The field observations and field screening data are provided in Table 1.



Discrete soil samples were collected from the test pits either by hand using a shovel or from the backhoe bucket if the depth of the test trench did not allow for safe sampling via shovel. Non-dedicated sampling equipment was decontaminated prior to its initial use and before each sample was collected. Soil samples were collected for laboratory analysis based on field observations of potential hydrocarbon impact and PID readings as follows:

- Three soil samples were collected for laboratory analysis from each of test pits TP-1, TP-2, TP-3, and TP-4b. These samples were collected at or near the ground surface, from the interval with the highest PID reading, and from the bottom or near the bottom (from 10 to 12 feet bgs) of each test pit.
- Two soil samples were collected for laboratory analysis from test pits TP-4c and TP-5. At TP-4c, samples were collected at the ground surface and from the base of the test pit at 12 feet bgs. At TP-5, samples were collected for laboratory analysis at the ground surface and at a depth of 10 feet bgs (i.e., 1 foot above the test pit bottom), as this interval had the highest PID measurement recorded in the test pit.
- One soil sample was collected for laboratory analysis from test pit TP-4a at a depth of 6 feet bgs, as this interval had the highest PID measurement recorded in the test pit.
- Samples were not collected from test pit TP-5a. The soil at that location had a strong
 hydrocarbon odor and was stained to the point of being discolored (the soil was dark gray
 or black versus the brown soil observed elsewhere at the Site). Due to those observations,
 a "step out" test pit (TP-5) was completed and sampled further to the south.

The soil samples were submitted to ALS Laboratory in Houston, Texas, for laboratory analysis of total petroleum hydrocarbons (TPH) by Environmental Protection Agency (EPA) Method 8015M; benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method SW8260; and chloride by EPA Method 300.

Following investigation and soil sampling activities, the test pits were backfilled with the originally excavated material. Photographs of the Site and trenching activities are provided in Appendix B.

4.5.2 January 2020 Soil Sample Analytical Results

Laboratory analytical results for each soil sample were compared to the NMOCD Closure Criteria. As previously discussed, the Closure Criteria that appear to apply to the Site are those where groundwater is deeper than 100 feet bgs. The following summarizes exceedances of the applicable NMOCD Closure Criteria:

- Benzene was not detected above the Closure Criterion of 10 milligrams per kilogram (mg/kg) in any soil sample, while total BTEX was detected above the Closure Criterion of 50 mg/kg in soil samples collected from test pits TP-1, TP-3, TP-4a, TP-4b, and TP-5. The vertical extent of total BTEX concentrations that exceed its Closure Criterion is delineated in test pits TP-1 and TP-4b.
- Chloride was not detected in any soil sample above the Closure Criterion of 20,000 mg/kg.
- The sum of TPH gasoline range organics (GRO), diesel range organics (DRO), and motor
 oil range organics (MRO) (i.e., total TPH) was detected above the Closure Criterion of
 2,500 mg/kg in the seven test pits sampled. The vertical extent of total TPH concentrations
 above the Closure Criterion is delineated in test pits TP-1, TP-2, and TP-4c.



• The sum of TPH GRO and DRO (i.e., TPH GRO+DRO) was detected above the Closure Criterion of 1,000 mg/kg in samples collected from test pits TP-1, TP-2, TP-3, TP-4a, TP-4b, and TP-5. The vertical extent of TPH GRO+DRO concentrations above the Closure Criterion is vertically delineated in test pits TP-1 and TP-2.

In summary, TPH and BTEX have not been laterally or vertically delineated to the Closure Criteria in soil beneath the Site. Chloride and benzene do not exceed the Closure Criteria in soil beneath the Site. The soil sample analytical data and Closure Criteria are presented in Table 2. The laboratory analytical reports are attached as Appendix C.

4.5.3 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in work order HS20011164 generated by ALS Laboratory in Houston, Texas, were reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes were defensible and that measurement data reliability is within the expected limits of sampling and analytical error. The analytical results are usable for characterization of contamination at the Site.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are based on the results of the January 2020 investigation:

- Soil staining was observed underneath former crude oil Tank 970 during tank decommissioning activities suggesting a release occurred. Eight test pits were excavated in January 2020 to determine if there had been a release and, if so, to assess the vertical and lateral extent of potential soil impacts. Soil samples were collected for laboratory analysis from seven of the test pits.
- The applicable NMOCD Closure Criteria appear to be those appropriate for sites where groundwater is deeper than 100 feet. This is based on the nearest water supply well with available water level data. The following summarizes the soil sample analytical data compared to the "groundwater >100 feet bgs" Closure Criteria:
 - TPH and BTEX concentrations above the Closure Criteria have not been laterally or vertically delineated in soil beneath the Site.
 - Chloride and benzene concentrations do not exceed the Closure Criteria in soil beneath the Site.

Based on the above conclusions, it is recommended that additional investigation be conducted to delineate the vertical and lateral extent of BTEX and TPH (and chloride, if groundwater is encountered at a depth of less than 50 feet) in soil. Analysis will determine if concentrations in the soil are above the Closure Criteria and, if necessary based on the depth of soil impacts, determine if groundwater is impacted. TRC proposes to install four air rotary borings and two to four hand auger borings at the Site. The proposed boring locations are depicted on Figure 2.

One air rotary boring will be drilled inside the footprint of former Tank 970 for vertical delineation, and the other three air rotary borings will be drilled in accessible locations surrounding the former tank for vertical and lateral delineation. The total depth of the borings will be determined by the following:



- The borings will be installed to the depth at which soil impacts are vertically delineated above groundwater. NMOCD Guidance indicates that vertical delineation requires at least 10 vertical feet of soil with constituent concentrations less than the applicable Closure Criteria. TRC will attempt to determine this based on field observations and PID readings.
- 2. If vertical delineation of soil is not achieved above groundwater, the borings will be installed approximately 10 feet into the uppermost groundwater bearing zone (if one is encountered) and converted to monitoring wells.

Soil intervals to be sampled for laboratory analysis will be determined based on field observations of potential impact, including hydrocarbon odor, staining, and PID readings. If groundwater is encountered prior to achieving vertical delineation of soil impacts, then monitoring wells will be installed and groundwater samples will be collected for laboratory analysis of BTEX, TPH, chloride (if warranted), and total dissolved solids (TDS) using appropriate analytical methods.

Additional lateral delineation of surface soil impacts will be conducted by completing hand auger borings. To delineate surface impacts, hand auger borings will be installed to the north and east in areas where drilling may not be possible due to the presence of utilities. Hand auger borings will also be installed to the south and west of the former Tank 970 location if TRC is unable to delineate shallow soil impacts with the proposed air rotary borings.

The investigation results will be documented in a revised Site Characterization Report and a Remediation Plan will be prepared in accordance with 19.15.29 NMAC for submittal to the NMOCD.

TABLE 1
SUMMARY OF FIELD OBSERVATIONS AND MEASUREMENTS
JANUARY 22, 2020 FIELD WORK
TANK 970 / ARTESIA STATION WEST, ARTESIA, NM

Test Pit Number	Location	Depth (feet bgs)	PID Measurement (ppm)	Chloride Test Kit Measurement (ppm)	Sample Submitted to Lab?	Lithology	Other Observations	
		0	0.3	456	Yes	Dark brown unconsolidated coarse sand.	Stained soil.	
		2	69.9	1404		Damp, well sorted.	d. Petroleum odor & staining.	
	Tank	4	2854	1854		Damp, well softed.		
TP-1	Footprint	6	5000+	3000+	Yes	Light brown/tan well sorted	Strong petroleum odor.	
	rootpillit	8	4630	NM		unconsolidated sand. Harder with	Strong petroleum odor.	
		10	4318	NM		depth.		
		12	3371	3000+	Yes	Tan caliche.	Strong petroleum odor. Refusal at 12'	
		0	0.8	576	Yes	Dark brown unconsolidated coarse sand.	Stained soil.	
		2	661	300		Damp, well sorted.	Petroleum odor & staining.	
	Tank	4	1107	408		Damp, well softed.		
TP-2	-	6	782	300		Light brown/tan well sorted	Strong petroleum odor.	
	Footprint	8	1334	247		unconsolidated sand. Harder with	Strong petroleum odor.	
		10	1489	164	Yes	depth.		
		12	1130	117	Yes	Tan caliche.	Strong petroleum odor. Refusal at 12'	
		0	1870	618	Yes	Dark brown unconsolidated coarse sand.	Stained soil.	
		2	2680	NM			Petroleum odor & staining.	
	Taul	4	2099	NM		Damp, well sorted.		
TP-3	Tank	6	4500	447	Yes	Light brown/tan well sorted	Strong petroleum odor.	
	Footprint	8	2800	NM		unconsolidated sand. Harder with	Strong petroleum odor.	
		10	3730	NM		depth.		
		12	4790	2472	Yes	Tan caliche.	Strong petroleum odor. Refusal at 12'	
		0	7.5	136		Dark brown unconsolidated coarse sand.	No surface staining.	
		2	840	NM			Petroleum odor.	
	West of	4	1721	NM		Damp, well sorted.		
TP-4a	Former	6	4419	96	Yes	Light brown/tan well sorted	Strong petroleum odor.	
	Tank	8	2509	NM		unconsolidated sand. Harder with	Strong petroleum odor.	
		10	2267	NM		depth.		
		12	2246	64		Tan caliche.	Strong petroleum odor. Refusal at 12'	
		0	9.5	NM		Dark brown unconsolidated coarse sand.	No surface staining.	
		2	1430	NM	Yes	Damp, well sorted.	Petroleum odor.	
	West of	4	3290	NM		Light brown/tan well sorted		
TP-4b	Former	6	1920	1224		unconsolidated sand. Harder with	Strong natroloum adar	
	Tank	8	5000+	NM	Yes	depth.	Strong petroleum odor.	
		10	4400	NM	Yes	Well cemented tan caliche.		
		12	4003	NM		Tan caliche.	Strong petroleum odor. Refusal at 12'	

TABLE 1 SUMMARY OF FIELD OBSERVATIONS AND MEASUREMENTS JANUARY 22, 2020 FIELD WORK TANK 970 / ARTESIA STATION WEST, ARTESIA, NM

Test Pit Number	Location	Depth (feet bgs)	PID Measurement (ppm)	Chloride Test Kit Measurement (ppm)	Sample Submitted to Lab?	Lithology	Other Observations
		0	0.9	NM	Yes	Dark brown unconsolidated coarse sand.	No surface staining.
		2	NC	NM		Damp, well sorted.	
	West of	4	NC	NM		Dairip, well softed.	
TP-4c	Former	6	21.3	NM		Light brown/tan well sorted	No odor or other significant observations.
	Tank	8	23.3	NM		unconsolidated sand. Harder with	
		10	1.7	NM		depth.	
		12	1.8	NM	Yes	Tan caliche.	Refusal at 12'
		0	12.7	NM		Dark brown unconsolidated sand.	No surface staining.
		2	142	NM		Damp, well sorted.	
	South of	4	342	NM			Strong petroleum odor and stained/discolored soil
TP-5a	Former	6	669	NM		Dark gray/black unconsolidated sand,	suggestive of a historical release.
	Tank	8	1960	NM		damp. Harder with depth.	suggestive of a filstofical release.
		10	1440	NM			
		12	1946	NM		Dark gray caliche.	Strong petroleum odor & staining. Refusal at 12'
		0	2	NM	Yes	Dark brown unconsolidated coarse sand.	No surface staining.
		2	1442	NM		Damp, well sorted.	
	South of	4	1427	NM		Damp, well softed.	
TP-5	Former	6	1581	1503		Light brown/tan well sorted	Petroleum odor.
	Tank	8	1701	NM		unconsolidated sand. Harder with	
		10	1766	NM	Yes	depth.	
		11	1201	277		Tan caliche.	Petroleum odor. Refusal at 11'
TP-6	East of Former Tank	0	NA	NA		Road Base	Dead utility/conduit pipe encountered at 8 inches bgs. Trenching in this location terminated at request of HEP operations.

Notes: bgs = below ground surface. ppm = parts per million.

' = feet

PID = Photo-Ionization Detector

NM = Not Measured NA = Not Applicable

TABLE 2 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS TANK 970 / ARTESIA STATION WEST, ARTESIA, NM

				В	TEX (mg/K	g)			r) HPT	ng/Kg)		
С	onstituen	t of Concern	Benzene	Ethyl- benzene	Toluene	Xylenes	Total BTEX	GRO	DRO	MRO	TPH ¹	Chloride (mg/Kg)
	O Closure iteria	GW >100' bgs	10				50 ²	100	00 ³		2500 ⁴	20000
	TP-1-Sur	rface	< 0.0055	<0.0055	<0.0055	<0.0055	<0.0055	0.45	43	150	193.45	1200
5	TP-1-6'		0.58	23	6.8	56	86.38	1600	7100	5000	13700	3770
FOOTPRINT	TP-1-12'		< 0.0053	0.049	< 0.0053	0.15	0.199	80	410	360	850	3850
ΙË	TP-2-Sur	rface	< 0.0055	0.027	<0.0055	0.073	0.1	1.4	58	250	309.4	16.6
1 8	TP-2-10'		< 0.53	3.0	< 0.53	8.7	11.7	200	1500	1800	3500	219
Ĭ.	TP-2-12'		< 0.0054	0.036	<0.0054	0.1	0.136	56	810	1200	2066	159
TANK	TP-3-Sur	rface	<0.27	16	5.7	43	64.7	1200	9500	7200	17900	1290
I ≛	TP-3-6'		1.3	29	19	62	111.3	1600	7600	5600	14800	2960
	TP-3-12'		<0.28	16	6.0	35	57.0	1300	5200	3900	10400	1670
_	North				No tes	t pit installed	d to north di	ue to obstru	ctions and u	ıtilities.		
δ		TP-4a-6'	0.42	67.0	3.4	130	200.82	450	8200	4200	12850	37.6
l 5		TP-4b-2'	0.36	19.0	9.4	88	116.76	290	6500	4200	10990	1020
Ιù	West	TP-4b-8'	<0.28	18.0	3.3	53	74.3	210	4000	2500	6710	303
DELINEATION	×	TP-4b-10'	<0.29	5.8	0.68	18	24.48	420	3100	2100	5620	257
		TP-4c-Surface	< 0.0057	< 0.0057	< 0.0057	0.016	0.016	0.15	470	2200	2670.15	309
		TP-4c-12'	<0.0058	<0.0058	<0.0058	<0.0058	<0.0058	< 0.059	70	8.5	78.5	83
ATERAL	East	TP-6	Test	oit installed	to east term	inated at 8	inches deep	due to und	lerground u	tilities. No	sample colle	ected.
	ڃ	TP-5a			No sam	ple collecte	d due to app	parent histo	rical contan	nination.		
₹	South	TP-5-Surface	0.0096	0.091	0.061	0.15	0.3116	2.0	940	3000	3942	1300
I -	ŭ	TP-5-10'	2.3	58	15	120	195.3	2000	6700	3900	12600	998

Notes:

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes by EPA Method 8260.

TPH = Total Petroleum Hydrocarbons by EPA Method 8015.

GRO = Gasoline Range Organics.

DRO = Diesel Range Organics.

MRO = Motor Oil Range Organics.

NMOCD Closure Criteria = New Mexico Oil Conservation Division Closure Criteria for the Site (varies with depth to groundwater).

Blank cells in NMOCD Closure Criteria row indicates that there is no Closure Criterion (a cleanup standard or action level) for that constituent. GW = Groundwater

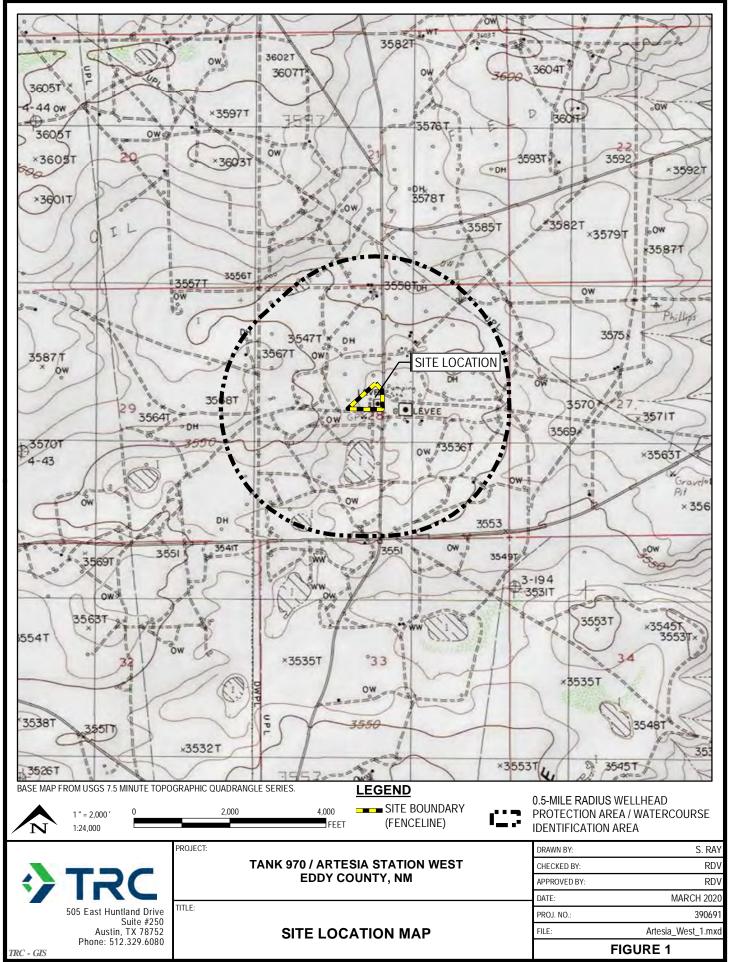
- ¹ = TPH is the combination of GRO + DRO + MRO concentrations.
- ² = This value is compared against the sum of the benzene + toluene + ethylbenzene + total xylenes concentrations.
- ³ = This value is compared against the sum of the GRO + DRO concentrations.
- ⁴ = This value is compared against the sum of the GRO + DRO + MRO concentrations.
- ' = feet.

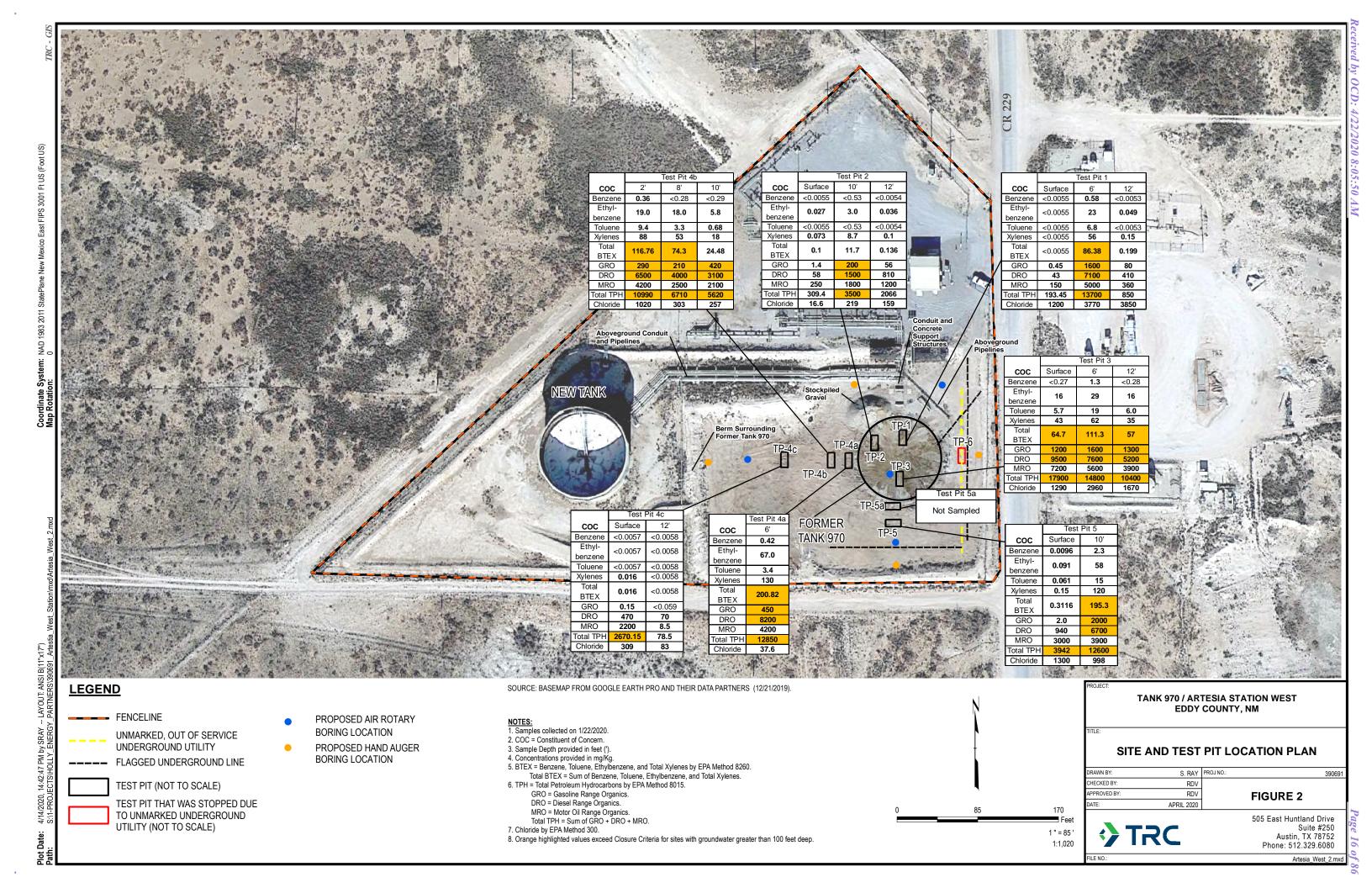
Sample depth provided in sample name.

Detected concentrations reported in bold.

Orange shading represents concentration above NMOCD Closure Criteria for sites with groundwater at depths greater than 100 feet.

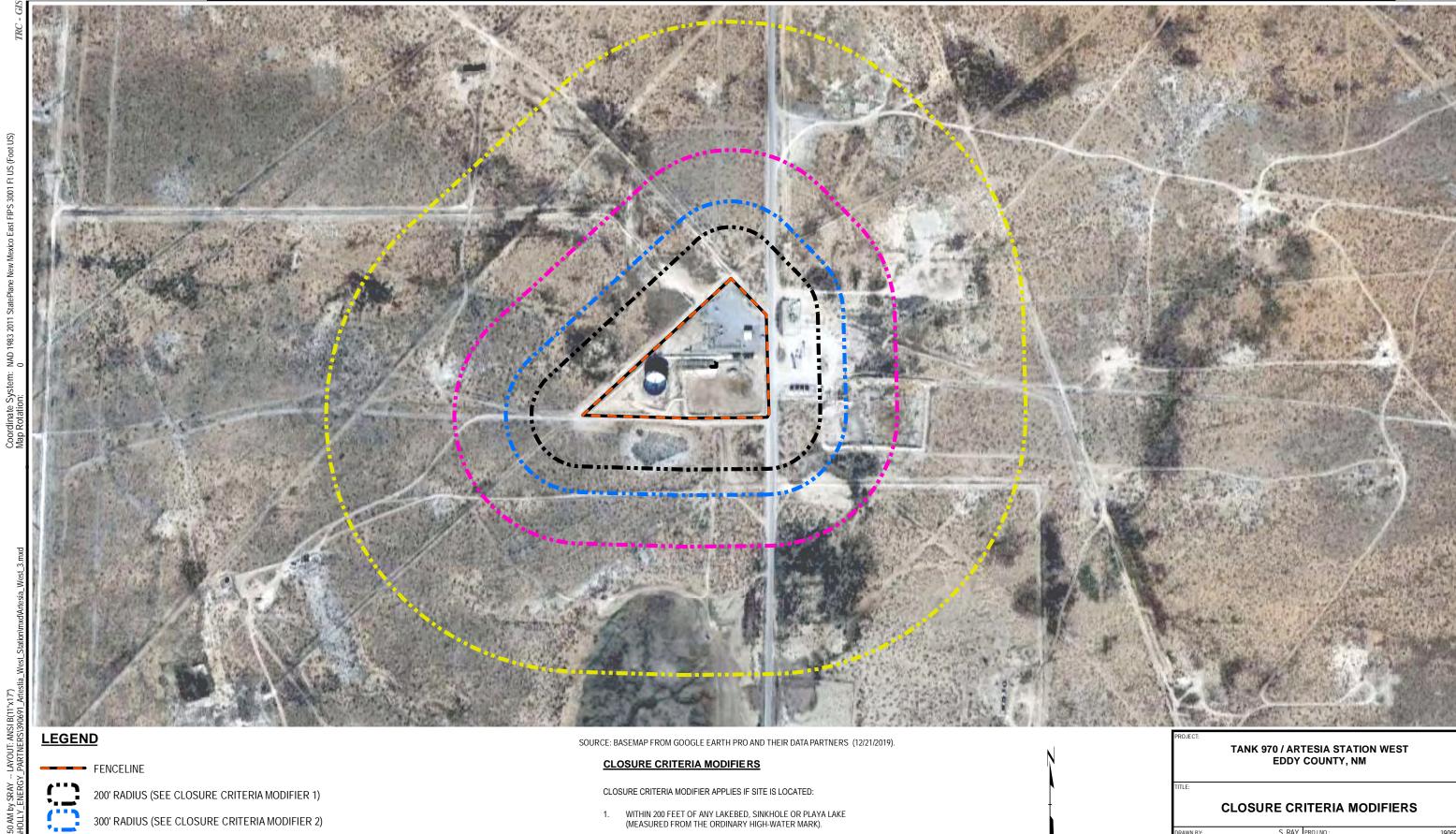
^{&#}x27; bgs = feet below ground suface.





Received by OCD: 4/22/2020 8:05:50 AM

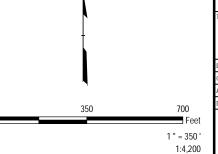
Page 17 of 86



500' RADIUS (SEE CLOSURE CRITERIA MODIFIER 3)

1000' RADIUS (SEE CLOSURE CRITERIA MODIFIER 4)

- WITHIN 300 FEET OF ANY CONTINUOUSLY FLOWING WATERCOURSE OR ANY OTHER SIGNIFICANT WATER COURSE; OR FROM AN OCCUPIED PERMANENT RESIDENCE, SCHOOL, HOSPITAL OR SEARCH.
- 8. WITHIN 500 FEET OF A SPRING OR A PRIVATE, DOMESTIC FRESH WATER WELL USED BY LESS THAN FIVE HOUSEHOLDS FOR DOMESTIC OR STOCK WATERING PURPOSES.
- 4. WITHIN 1,000 FEET OF ANY FRESH WATER WELL OR SPRING.



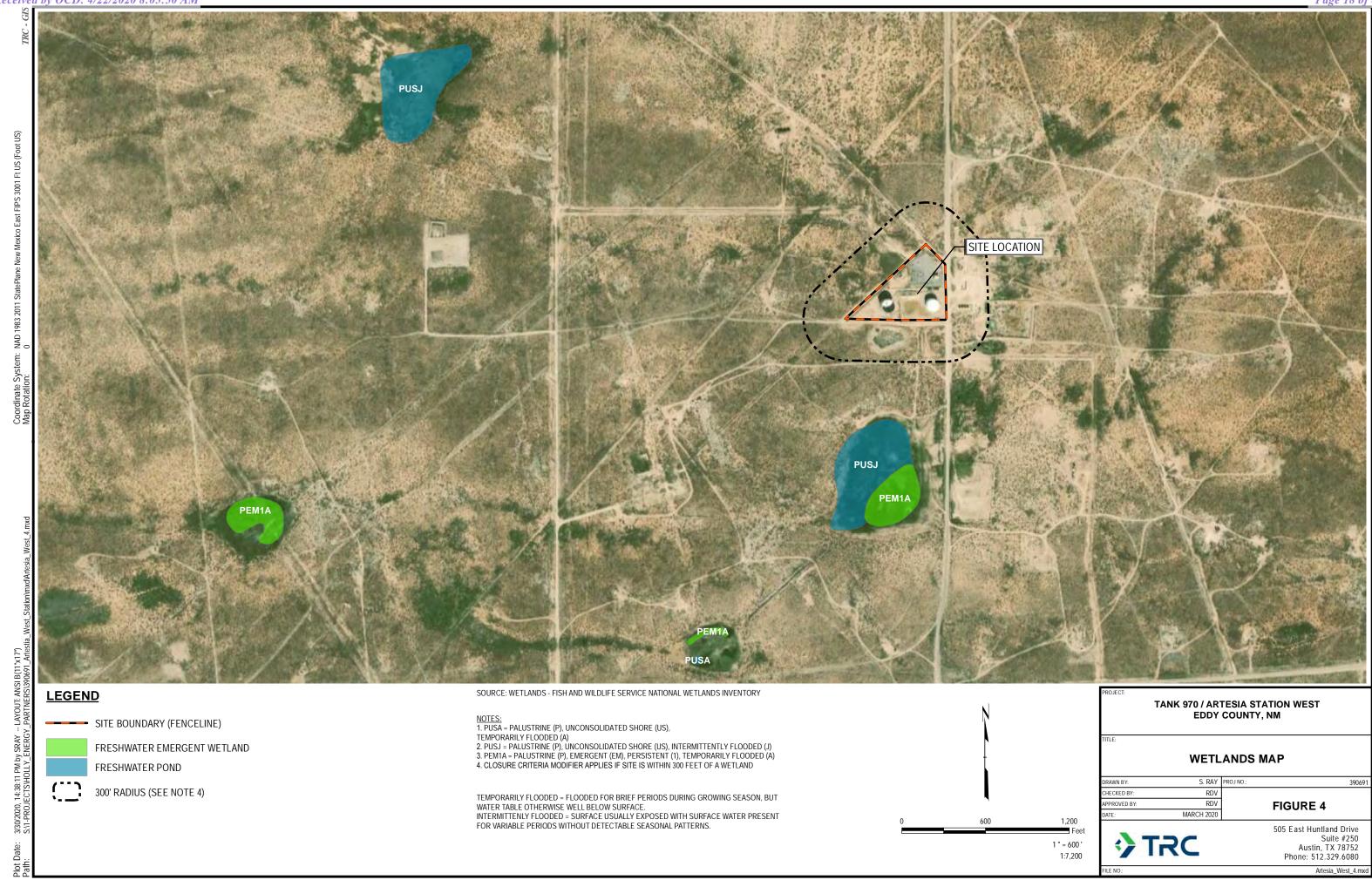
DRAWN BY:	S. RAY	PROJ NO.: 390691
CHECKED BY:	RDV	
APPROVED BY:	RDV	FIGURE 3
DATE:	MARCH 2020	

◆ TRC

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

Artocia Wost

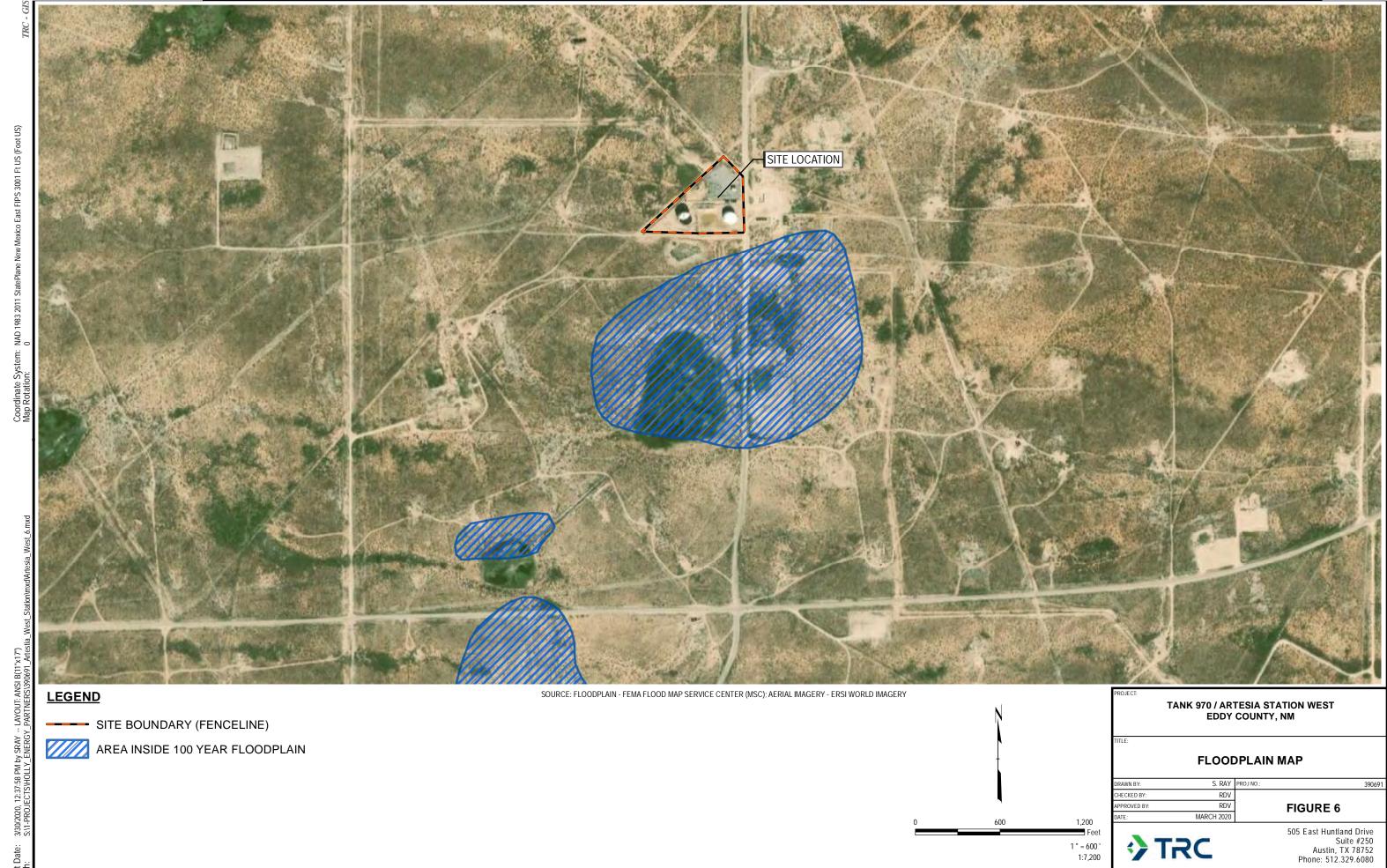
Page 18 of 86



Received by OCD: 4/22/2020 8:05:50 AM Page 19 of 86 SITE LOCATION **LEGEND** SOURCE: KARST DATA FROM NEW MEXICO BUREAU OF LAND MANAGEMENT; AERIAL IMAGERY - ESRI IMAGERY TANK 970 / ARTESIA STATION WEST EDDY COUNTY, NM SITE BOUNDARY (FENCELINE) LOW KARST POTENTIAL KARST POTENTIAL MAP MEDIUM KARST POTENTIAL S. RAY PROJ NO.: HIGH KARST POTENTIAL RDV RDV MARCH 2020 FIGURE 5 505 East Huntland Drive Suite #250 Austin, TX 78752 Phone: 512.329.6080 TRC 1 " = 2 MILES 1:99,960

Received by OCD: 4/22/2020 8:05:50 AM

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Appendix A: NMOCD Form C-141 and Email Confirmation

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 Holly Energy Partners	OGRID 282505	
Contact Name Melanie Nolan	Contact Telephone 214-605-8303	
Contact email Melanie.Nolan@hollyenergy.com	Incident # (assigned by OCD)	
Contact mailing address 1602 W Main St. Artesia, NM 8	8210	
Locati	on of Release Source	
Latitude 32.71917	Longitude -104 18119	

Site Name	Artesia Wes	st Station		Site Type Tank Station	
		d 1/22/2020		API# (if applicable)	
Unit Letter	Section	Township	Range	County	
Ĵ	28	18S	28E	Eddy	

Nature and Volume of Release

⊠ Crude Oil	Volume Released (bbls) Approximately 50	Volume Recovered (bbls) 0
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)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Discovery of historical	release and contamination after the demolition of a cru	de storage tank at the HEP Artesia West Station

P	ağ	e	23	0	f	8	6
						-1	

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon An unauthorized release exceeding 25 barr	* *
⊠ Yes □ No		
Yes, Regulatory Manager	- Charles Curl notified Robert Hamlet at thication was also followed up by an email no	om? When and by what means (phone, email, etc)? e NMOCD District II Office of the discovery by phone on tification on 1/23/20 to Robert Hamlet, Mike Bratcher and Victoria
	Initial R	esponse
The responsible	e party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or di	ikes, absorbent pads, or other containment devices.
<u> </u>	ecoverable materials have been removed and	J 11 1 /
If all the actions described	d above have <u>not</u> been undertaken, explain w	vhy:
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence re	mediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial e	fforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environmental to adequately investigated to adequately investigated to adequately investigated to a second control of the control of th	required to report and/or file certain release notified nent. The acceptance of a C-141 report by the Otate and remediate contamination that pose a threat	rest of my knowledge and understand that pursuant to OCD rules and ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws
Printed Name: Melanie N	olan	Title: Environmental Specialist
Signature:	6 ~	Date:1/29/20
email: Melanie.Nolan@h	ollyenergy.com	Telephone: <u>214-605-8303</u>
OCD Only		
Received by:		Date:

Varnell, Richard

From: Varnell, Richard

Sent: Friday, March 27, 2020 2:42 PM

To: Varnell, Richard

Subject: FW: [EXTERNAL] ARTESIA STATION TANK - FW: [EXTERNAL Email]: New Mexico OCD Application

Submission was Approved by the OCD

From: OCDOnline@state.nm.us [mailto:OCDOnline@state.nm.us]

Sent: Thursday, February 06, 2020 2:46 PM

To: Nolan, Melanie A.

Subject: [EXTERNAL Email]: New Mexico OCD Application Submission was Approved by the OCD

CAUTION: This email originated from outside of the HollyFrontier organization. Do not click on links or open attachments unless you recognize the sender and know the content is safe.

The Oil Conservation Division (OCD) has approved the application PO: TSF9G-200129-C-1410. The original application was submitted by Melanie Nolan for HOLLY ENERGY PARTNERS.

The user added the additional comment:

"To whom it may concern: The NMOCD has accepted the submitted Initial and C-141 and has assigned incident # NCE2003752717. Please retain this incident # as it will be required for all future communication and submittals for this release. Note: As of December 13, 2019, NMOCD has discontinued the use of the "RP" number. Thank you, Cristina Eads Environmental Specialist Cristina.Eads@state.nm.us".

If you are concerned about receiving this email or have any other questions, please feel free to contact our Santa Fe OCD office.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

CONFIDENTIALITY NOTICE: This e-mail, and any attachments, may contain information that is privileged and confidential. If you received this message in error, please advise the sender immediately by reply e-mail and do not retain any paper or electronic copies of this message or any attachments. Unless expressly stated, nothing contained in this message should be construed as a digital or electronic signature or a commitment to a binding agreement.



Appendix B: Photograph Log

Appendix B Photograph Log



Photo 1: View facing north taken from the former tank footprint. Features visible to the north of the former tank include a stockpile of gravel, an aboveground pipeline, a concrete foundation, and conduit.



Photo 2: View looking west from the area immediately to the east/northeast of the former tank footprint. The gravel stockpile, concrete foundation/conduit, and aboveground pipeline noted in Photo 1 are also visible in this photograph. The new crude oil tank (Tank 974) that replaced former Tank 970 is also visible.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
390691	Ms. Misti Tienert 1/22/2020	1 of 3	HEP	Tank 970 / Artesia Station West, Eddy County, NM	



Appendix B Photograph Log

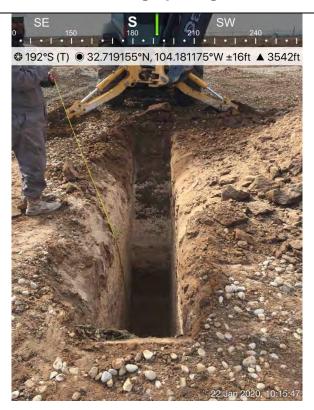


Photo 3: View facing south of the excavation of test pit 1.



Photo 4: View facing south of test pit 2.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:
390691	Ms. Misti Tienert 1/22/2020	2 of 3	HEP	Tank 970 / Artesia Station West, Eddy County, NM



Appendix B Photograph Log

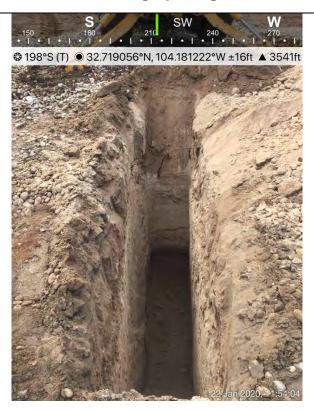


Photo 5: View facing south-southwest of test pit 3.



Photo 6: View facing southwest of excavated material from test pit 5.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
390691	Ms. Misti Tienert 1/22/2020	3 of 3	HEP	Tank 970 / Artesia Station West, Eddy County, NM	





Appendix C: Laboratory Analytical Reports



10450 Stancliff Rd. Suite 210 Houston, TX 77099 T: +1 281 530 5656

F: +1 281 530 5887

February 06, 2020

Richard (RD) Varnell TRC Corporation 505 East Huntland Drive Suite 250 Austin, TX 78752

Work Order: **HS20011164**

Laboratory Results for: **Artesia Station West**

Dear Richard,

ALS Environmental received 22 sample(s) on Jan 24, 2020 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL

RJ Modashia Project Manager

SAMPLE SUMMARY

ALS Houston, US Date: 06-Feb-20

Client: TRC Corporation

Work Order:

Project: Artesia Station West

HS20011164

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS20011164-01	TP-1-Surface	Soil		22-Jan-2020 09:35	24-Jan-2020 08:50	
HS20011164-02	TP-1-6'	Soil		22-Jan-2020 09:40	24-Jan-2020 08:50	
HS20011164-03	TP-1-12'	Soil		22-Jan-2020 09:45	24-Jan-2020 08:50	
HS20011164-04	TP-2-Surface	Soil		22-Jan-2020 09:50	24-Jan-2020 08:50	
HS20011164-05	TP-2-10'	Soil		22-Jan-2020 09:55	24-Jan-2020 08:50	
HS20011164-06	TP-2-12'	Soil		22-Jan-2020 10:00	24-Jan-2020 08:50	
HS20011164-07	TP-3-Surface	Soil		22-Jan-2020 11:30	24-Jan-2020 08:50	
HS20011164-08	TP-3-6'	Soil		22-Jan-2020 11:40	24-Jan-2020 08:50	
HS20011164-09	TP-3-12'	Soil		22-Jan-2020 11:50	24-Jan-2020 08:50	
HS20011164-10	TP-4a-Surface	Soil		22-Jan-2020 13:00	24-Jan-2020 08:50	~
HS20011164-11	TP-4a-6'	Soil		22-Jan-2020 13:10	24-Jan-2020 08:50	
HS20011164-12	TP-4a-12'	Soil		22-Jan-2020 13:20	24-Jan-2020 08:50	~
HS20011164-13	TP-4b-2'	Soil		22-Jan-2020 15:00	24-Jan-2020 08:50	
HS20011164-14	TP-4b-8'	Soil		22-Jan-2020 15:10	24-Jan-2020 08:50	
HS20011164-15	TP-4b-10'	Soil		22-Jan-2020 15:20	24-Jan-2020 08:50	
HS20011164-16	TP-4C-Surface	Soil		22-Jan-2020 16:00	24-Jan-2020 08:50	
HS20011164-17	TP-4c-6'	Soil		22-Jan-2020 16:10	24-Jan-2020 08:50	~
HS20011164-18	TP-4c-12'	Soil		22-Jan-2020 16:20	24-Jan-2020 08:50	
HS20011164-19	TP-5-Surface	Soil		22-Jan-2020 14:15	24-Jan-2020 08:50	
HS20011164-20	TP-5-10'	Soil		22-Jan-2020 14:25	24-Jan-2020 08:50	
HS20011164-21	TB-CG-121719-220	Water		22-Jan-2020 00:00	24-Jan-2020 08:50	
HS20011164-22	TB-CG-121719-217	Water		22-Jan-2020 00:00	24-Jan-2020 08:50	

Client: TRC Corporation CASE NARRATIVE

Project: Artesia Station West

Work Order: HS20011164

GC Semivolatiles by Method SW8015M

Batch ID: 150290

Sample ID: TP-4a-6' (HS20011164-11)

The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-4a-6' (HS20011164-11MS)

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-4a-6' (HS20011164-11MSD)

- The recovery of the Matrix Spike Duplicate (MSD) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The failed recovery of the MSD may be due to sample matrix interference.
- The RPD between the MS and MSD was outside of the control limit.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-4b-10' (HS20011164-15)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-4b-2' (HS20011164-13)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-4b-8' (HS20011164-14)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Batch ID: 150047

Sample ID: TP-1-6' (HS20011164-02)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-1-Surface (HS20011164-01MS)

• The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.

Sample ID: TP-1-Surface (HS20011164-01MSD)

• The recovery of the Matrix Spike Duplicate (MSD) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The failed recovery of the MSD may be due to sample matrix interference.

Sample ID: TP-2-10' (HS20011164-05)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-2-12' (HS20011164-06)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-3-12' (HS20011164-09)

Client: TRC Corporation CASE NARRATIVE

Project: Artesia Station West

Work Order: HS20011164

GC Semivolatiles by Method SW8015M

Batch ID: 150047

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-3-6' (HS20011164-08)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-3-Surface (HS20011164-07)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-4C-Surface (HS20011164-16)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-5-10' (HS20011164-20)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

Sample ID: TP-5-Surface (HS20011164-19)

• The surrogate recoveries could not be determined due to dilution below the calibration range.

GC Volatiles by Method SW8015

Batch ID: R355522

Sample ID: TP-4a-6' (HS20011164-11)

• Surrogate recoveries were outside of the control limits due to matrix interference.

Sample ID: TP-4b-10' (HS20011164-15)

• Surrogate recoveries were outside of the control limits due to matrix interference.

Batch ID: R355242

Sample ID: TP-1-6' (HS20011164-02)

• Surrogate recoveries were outside of the control limits due to matrix interference.

Sample ID: TP-5-10' (HS20011164-20)

• Surrogate recoveries were outside of the control limits due to matrix interference.

Batch ID: R355303

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R355335

Sample ID: HS20011124-01MS

• MS and MSD are for an unrelated sample

Client: TRC Corporation CASE NARRATIVE

Project: Artesia Station West

Work Order: HS20011164

GCMS Volatiles by Method SW8260

Batch ID: R355354

Sample ID: HS20011182-06MS

· MS and MSD are for an unrelated sample

Batch ID: R355575,R355596

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method SW3550

Batch ID: R355436,R355785

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method E300

Batch ID: 150165

Sample ID: TP-1-Surface (HS20011164-01MS)

• The MS and/or MSD recovery was outside of the control limits; however, the result in the parent sample is greater than 4x the spike amount. (Chloride)

Batch ID: 150257

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-1-Surface

Collection Date: 22-Jan-2020 09:35

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-01

Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	DILUTION UNITS FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.0055		0.0055	mg/Kg-dry 1	30-Jan-2020 13:36
Ethylbenzene	< 0.0055		0.0055	mg/Kg-dry 1	30-Jan-2020 13:36
Toluene	< 0.0055		0.0055	mg/Kg-dry 1	30-Jan-2020 13:36
Xylenes, Total	< 0.0055		0.0055	mg/Kg-dry 1	30-Jan-2020 13:36
Surr: 1,2-Dichloroethane-d4	101		70-126	%REC 1	30-Jan-2020 13:36
Surr: 4-Bromofluorobenzene	99.9		70-130	%REC 1	30-Jan-2020 13:36
Surr: Dibromofluoromethane	93.1		70-130	%REC 1	30-Jan-2020 13:36
Surr: Toluene-d8	101		70-130	%REC 1	30-Jan-2020 13:36
GASOLINE RANGE ORGANICS BY SW8015C	•	Method:SW8015			Analyst: QX
Gasoline Range Organics	0.45		0.053	mg/Kg-dry 1	29-Jan-2020 13:22
Surr: 4-Bromofluorobenzene	105		70-123	%REC 1	29-Jan-2020 13:22
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan-2020	Analyst: PVL
TPH (Diesel Range)	43		18	mg/Kg-dry 10	29-Jan-2020 17:06
TPH (Motor Oil Range)	150	n	36	mg/Kg-dry 10	29-Jan-2020 17:06
Surr: 2-Fluorobiphenyl	86.4		60-129	%REC 10	29-Jan-2020 17:06
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-2020	Analyst: KMU
Chloride	1,200		53.2	mg/Kg-dry 10	04-Feb-2020 00:33
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	5.22		0.0100	wt % 1	30-Jan-2020 11:12

Client:

TRC Corporation

Project:

Artesia Station West

Sample ID:

Collection Date:

TP-1-6'

22-Jan-2020 09:40

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-02

Matrix:Soil

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	0.58		0.28	mg/Kg-dry	50	30-Jan-2020 12:37
Ethylbenzene	23		2.8	mg/Kg-dry	500	30-Jan-2020 15:57
Toluene	6.8		0.28	mg/Kg-dry	50	30-Jan-2020 12:37
Xylenes, Total	56		2.8	mg/Kg-dry	500	30-Jan-2020 15:57
Surr: 1,2-Dichloroethane-d4	84.8		70-126	%REC	50	30-Jan-2020 12:37
Surr: 1,2-Dichloroethane-d4	89.1		70-126	%REC	500	30-Jan-2020 15:57
Surr: 4-Bromofluorobenzene	82.3		70-130	%REC	50	30-Jan-2020 12:37
Surr: 4-Bromofluorobenzene	93.6		70-130	%REC	500	30-Jan-2020 15:57
Surr: Dibromofluoromethane	89.6		70-130	%REC	50	30-Jan-2020 12:37
Surr: Dibromofluoromethane	92.4		70-130	%REC	500	30-Jan-2020 15:57
Surr: Toluene-d8	111		70-130	%REC	50	30-Jan-2020 12:37
Surr: Toluene-d8	101		70-130	%REC	500	30-Jan-2020 15:57
GASOLINE RANGE ORGANICS E SW8015C	BY	Method:SW8015				Analyst: QX
Gasoline Range Organics	1,600		3.0	mg/Kg-dry	50	28-Jan-2020 22:03
Surr: 4-Bromofluorobenzene	157	S	70-123	%REC	50	28-Jan-2020 22:03
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28	3-Jan-2020	Analyst: PVL
TPH (Diesel Range)	7,100		190	mg/Kg-dry	100	29-Jan-2020 18:19
TPH (Motor Oil Range)	5,000	n	380	mg/Kg-dry	100	29-Jan-2020 18:19
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	29-Jan-2020 18:19
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Ja	n-2020	Analyst: KMU
Chloride	3,770		54.4	mg/Kg-dry	10	31-Jan-2020 14:08
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	11.6		0.0100	wt%	1	30-Jan-2020 11:12

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-1-12'

Collection Date: 22-Jan-2020 09:45

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-03

ANALYSES	RESULT	QUAL	REPORT LIMIT	DILUTI UNITS FACT	
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.0058		0.0058	mg/Kg-dry 1	30-Jan-2020 14:01
Ethylbenzene	0.049		0.0058	mg/Kg-dry 1	30-Jan-2020 14:01
Toluene	< 0.0058		0.0058	mg/Kg-dry 1	30-Jan-2020 14:01
Xylenes, Total	0.15		0.0058	mg/Kg-dry 1	30-Jan-2020 14:01
Surr: 1,2-Dichloroethane-d4	101		70-126	%REC 1	30-Jan-2020 14:01
Surr: 4-Bromofluorobenzene	101		70-130	%REC 1	30-Jan-2020 14:01
Surr: Dibromofluoromethane	96.4		70-130	%REC 1	30-Jan-2020 14:01
Surr: Toluene-d8	102		70-130	%REC 1	30-Jan-2020 14:01
GASOLINE RANGE ORGANICS BY SW8015C	•	Method:SW8015			Analyst: QX
Gasoline Range Organics	80		2.8	mg/Kg-dry 50	28-Jan-2020 19:25
Surr: 4-Bromofluorobenzene	106		70-123	%REC 50	28-Jan-2020 19:25
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan-20	20 Analyst: PVL
TPH (Diesel Range)	410		19	mg/Kg-dry 10	29-Jan-2020 18:44
TPH (Motor Oil Range)	360	n	37	mg/Kg-dry 10	29-Jan-2020 18:44
Surr: 2-Fluorobiphenyl	117		60-129	%REC 10	29-Jan-2020 18:44
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-2020	Analyst: KMU
Chloride	3,850		54.9	mg/Kg-dry 10	31-Jan-2020 14:23
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	8.55		0.0100	wt % 1	30-Jan-2020 11:12

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-2-Surface

Collection Date: 22-Jan-2020 09:50

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-04

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS FACTO	
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.0055		0.0055	mg/Kg-dry 1	30-Jan-2020 14:26
Ethylbenzene	0.027		0.0055	mg/Kg-dry 1	30-Jan-2020 14:26
Toluene	< 0.0055		0.0055	mg/Kg-dry 1	30-Jan-2020 14:26
Xylenes, Total	0.073		0.0055	mg/Kg-dry 1	30-Jan-2020 14:26
Surr: 1,2-Dichloroethane-d4	98.0		70-126	%REC 1	30-Jan-2020 14:26
Surr: 4-Bromofluorobenzene	96.6		70-130	%REC 1	30-Jan-2020 14:26
Surr: Dibromofluoromethane	91.9		70-130	%REC 1	30-Jan-2020 14:26
Surr: Toluene-d8	101		70-130	%REC 1	30-Jan-2020 14:26
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015			Analyst: QX
Gasoline Range Organics	1.4		0.053	mg/Kg-dry 1	29-Jan-2020 12:47
Surr: 4-Bromofluorobenzene	113		70-123	%REC 1	29-Jan-2020 12:47
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan-2020	Analyst: PVL
TPH (Diesel Range)	58		36	mg/Kg-dry 20	30-Jan-2020 08:44
TPH (Motor Oil Range)	250	n	71	mg/Kg-dry 20	30-Jan-2020 08:44
Surr: 2-Fluorobiphenyl	97.8		60-129	%REC 20	30-Jan-2020 08:44
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-2020	Analyst: KMU
Chloride	16.6		5.17	mg/Kg-dry 1	31-Jan-2020 15:07
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	4.76		0.0100	wt % 1	30-Jan-2020 11:12

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-2-10'

Collection Date: 22-Jan-2020 09:55

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-05

ANALYSES	RESULT	QUAL	REPORT LIMIT		JTION DATE CTOR ANALYZED
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.53		0.53	mg/Kg-dry 10	30-Jan-2020 12:22
Ethylbenzene	3.0		0.53	mg/Kg-dry 10	30-Jan-2020 12:22
Toluene	< 0.53		0.53	mg/Kg-dry 10	30-Jan-2020 12:22
Xylenes, Total	8.7		0.53	mg/Kg-dry 10	30-Jan-2020 12:22
Surr: 1,2-Dichloroethane-d4	97.1		70-126	%REC 10	30-Jan-2020 12:22
Surr: 4-Bromofluorobenzene	98.6		70-130	%REC 10	30-Jan-2020 12:22
Surr: Dibromofluoromethane	94.2		70-130	%REC 10	30-Jan-2020 12:22
Surr: Toluene-d8	101		70-130	%REC 10	30-Jan-2020 12:22
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015			Analyst: QX
Gasoline Range Organics	200		2.9	mg/Kg-dry 50	28-Jan-2020 21:15
Surr: 4-Bromofluorobenzene	108		70-123	%REC 50	28-Jan-2020 21:15
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan	-2020 Analyst: PVL
TPH (Diesel Range)	1,500		190	mg/Kg-dry 100	29-Jan-2020 19:33
TPH (Motor Oil Range)	1,800	n	380	mg/Kg-dry 100	29-Jan-2020 19:33
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC 100	29-Jan-2020 19:33
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-20	20 Analyst: KMU
Chloride	219		5.57	mg/Kg-dry 1	31-Jan-2020 15:22
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	10.0		0.0100	wt % 1	30-Jan-2020 11:12

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-2-12'

Collection Date: 22-Jan-2020 10:00

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-06

ANALYSES	RESULT	QUAL	REPORT LIMIT	DILU UNITS FAC	TION DATE TOR ANALYZED
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.0054		0.0054	mg/Kg-dry 1	30-Jan-2020 14:51
Ethylbenzene	0.036		0.0054	mg/Kg-dry 1	30-Jan-2020 14:51
Toluene	< 0.0054		0.0054	mg/Kg-dry 1	30-Jan-2020 14:51
Xylenes, Total	0.10		0.0054	mg/Kg-dry 1	30-Jan-2020 14:51
Surr: 1,2-Dichloroethane-d4	99.4		70-126	%REC 1	30-Jan-2020 14:51
Surr: 4-Bromofluorobenzene	101		70-130	%REC 1	30-Jan-2020 14:51
Surr: Dibromofluoromethane	95.0		70-130	%REC 1	30-Jan-2020 14:51
Surr: Toluene-d8	101		70-130	%REC 1	30-Jan-2020 14:51
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015			Analyst: QX
Gasoline Range Organics	56		2.8	mg/Kg-dry 50	28-Jan-2020 21:31
Surr: 4-Bromofluorobenzene	108		70-123	%REC 50	28-Jan-2020 21:31
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan-	2020 Analyst: PVL
TPH (Diesel Range)	810		190	mg/Kg-dry 100	29-Jan-2020 19:57
TPH (Motor Oil Range)	1,200	n	370	mg/Kg-dry 100	29-Jan-2020 19:57
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC 100	29-Jan-2020 19:57
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-202	0 Analyst: KMU
Chloride	159		5.36	mg/Kg-dry 1	31-Jan-2020 15:36
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	8.75		0.0100	wt % 1	30-Jan-2020 11:12

Client:

TRC Corporation

Project:

Artesia Station West

Sample ID:

TP-3-Surface

Collection Date:

22-Jan-2020 11:30

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-07

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	< 0.27		0.27	mg/Kg-dry	50	30-Jan-2020 13:27
Ethylbenzene	16		2.7	mg/Kg-dry	500	30-Jan-2020 16:22
Toluene	5.7		0.27	mg/Kg-dry	50	30-Jan-2020 13:27
Xylenes, Total	43		2.7	mg/Kg-dry	500	30-Jan-2020 16:22
Surr: 1,2-Dichloroethane-d4	87.4		70-126	%REC	500	30-Jan-2020 16:22
Surr: 1,2-Dichloroethane-d4	89.7		70-126	%REC	50	30-Jan-2020 13:27
Surr: 4-Bromofluorobenzene	104		70-130	%REC	500	30-Jan-2020 16:22
Surr: 4-Bromofluorobenzene	82.5		70-130	%REC	50	30-Jan-2020 13:27
Surr: Dibromofluoromethane	90.3		70-130	%REC	50	30-Jan-2020 13:27
Surr: Dibromofluoromethane	91.1		70-130	%REC	500	30-Jan-2020 16:22
Surr: Toluene-d8	104		70-130	%REC	500	30-Jan-2020 16:22
Surr: Toluene-d8	108		70-130	%REC	50	30-Jan-2020 13:27
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: QX
Gasoline Range Organics	1,200		2.8	mg/Kg-dry	50	28-Jan-2020 22:19
Surr: 4-Bromofluorobenzene	120		70-123	%REC	50	28-Jan-2020 22:19
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 2	8-Jan-2020	Analyst: PVL
TPH (Diesel Range)	9,500		370	mg/Kg-dry	200	30-Jan-2020 09:08
TPH (Motor Oil Range)	7,200	n	730	mg/Kg-dry	200	30-Jan-2020 09:08
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	200	30-Jan-2020 09:08
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Ja	an-2020	Analyst: KMU
Chloride	1,290		53.7	mg/Kg-dry	10	31-Jan-2020 15:51
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	7.60		0.0100	wt%	1	30-Jan-2020 11:12

Client: TRC

Sample ID:

TRC Corporation

TP-3-6'

Project: Artesia Station West

Collection Date: 22-Jan-2020 11:40

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-08

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	1.3		0.29	mg/Kg-dry	50	30-Jan-2020 13:52
Ethylbenzene	29		5.7	mg/Kg-dry	1000	30-Jan-2020 16:47
Toluene	19		5.7	mg/Kg-dry	1000	30-Jan-2020 16:47
Xylenes, Total	62		5.7	mg/Kg-dry	1000	30-Jan-2020 16:47
Surr: 1,2-Dichloroethane-d4	81.4		70-126	%REC	50	30-Jan-2020 13:52
Surr: 1,2-Dichloroethane-d4	86.1		70-126	%REC	1000	30-Jan-2020 16:47
Surr: 4-Bromofluorobenzene	91.6		70-130	%REC	50	30-Jan-2020 13:52
Surr: 4-Bromofluorobenzene	99.4		70-130	%REC	1000	30-Jan-2020 16:47
Surr: Dibromofluoromethane	91.5		70-130	%REC	1000	30-Jan-2020 16:47
Surr: Dibromofluoromethane	91.1		70-130	%REC	50	30-Jan-2020 13:52
Surr: Toluene-d8	121		70-130	%REC	50	30-Jan-2020 13:52
Surr: Toluene-d8	91.1		70-130	%REC	1000	30-Jan-2020 16:47
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: QX
Gasoline Range Organics	1,600		2.9	mg/Kg-dry	50	28-Jan-2020 22:34
Surr: 4-Bromofluorobenzene	76.3		70-123	%REC	50	28-Jan-2020 22:34
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 2	8-Jan-2020	Analyst: PVL
TPH (Diesel Range)	7,600		390	mg/Kg-dry	200	30-Jan-2020 09:33
TPH (Motor Oil Range)	5,600	n	770	mg/Kg-dry	200	30-Jan-2020 09:33
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	200	30-Jan-2020 09:33
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Ja	an-2020	Analyst: KMU
Chloride	2,960		57.4	mg/Kg-dry	10	31-Jan-2020 16:06
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	12.7		0.0100	wt%	1	30-Jan-2020 11:12

Client:

TRC Corporation

Project:

Artesia Station West

Sample ID:

Collection Date:

TP-3-12'

22-Jan-2020 11:50

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-09

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	< 0.28		0.28	mg/Kg-dry	50	30-Jan-2020 14:17
Ethylbenzene	16		2.8	mg/Kg-dry	500	30-Jan-2020 17:12
Toluene	6.0		0.28	mg/Kg-dry	50	30-Jan-2020 14:17
Xylenes, Total	35		2.8	mg/Kg-dry	500	30-Jan-2020 17:12
Surr: 1,2-Dichloroethane-d4	94.1		70-126	%REC	500	30-Jan-2020 17:12
Surr: 1,2-Dichloroethane-d4	84.4		70-126	%REC	50	30-Jan-2020 14:17
Surr: 4-Bromofluorobenzene	78.3		70-130	%REC	50	30-Jan-2020 14:17
Surr: 4-Bromofluorobenzene	94.9		70-130	%REC	500	30-Jan-2020 17:12
Surr: Dibromofluoromethane	91.6		70-130	%REC	500	30-Jan-2020 17:12
Surr: Dibromofluoromethane	88.1		70-130	%REC	50	30-Jan-2020 14:17
Surr: Toluene-d8	99.7		70-130	%REC	50	30-Jan-2020 14:17
Surr: Toluene-d8	92.3		70-130	%REC	500	30-Jan-2020 17:12
GASOLINE RANGE ORGANICS E SW8015C	BY	Method:SW8015				Analyst: QX
Gasoline Range Organics	1,300		2.8	mg/Kg-dry	50	28-Jan-2020 21:47
Surr: 4-Bromofluorobenzene	117		70-123	%REC	50	28-Jan-2020 21:47
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28	3-Jan-2020	Analyst: PVL
TPH (Diesel Range)	5,200		190	mg/Kg-dry	100	29-Jan-2020 22:00
TPH (Motor Oil Range)	3,900	n	370	mg/Kg-dry	100	29-Jan-2020 22:00
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	29-Jan-2020 22:00
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Ja	n-2020	Analyst: KMU
Chloride	1,670		54.8	mg/Kg-dry	10	31-Jan-2020 16:20
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	9.34		0.0100	wt%	1	30-Jan-2020 11:12

Client:

TRC Corporation

Project:

Artesia Station West

Sample ID: Collection Date: TP-4a-6'

22-Jan-2020 13:10

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-11

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	0.42		0.30	mg/Kg-dry	50	04-Feb-2020 14:06
Ethylbenzene	67		3.0	mg/Kg-dry	500	04-Feb-2020 15:46
Toluene	3.4		0.30	mg/Kg-dry	50	04-Feb-2020 14:06
Xylenes, Total	130		3.0	mg/Kg-dry	500	04-Feb-2020 15:46
Surr: 1,2-Dichloroethane-d4	99.1		70-126	%REC	50	04-Feb-2020 14:06
Surr: 1,2-Dichloroethane-d4	106		70-126	%REC	500	04-Feb-2020 15:46
Surr: 4-Bromofluorobenzene	98.8		70-130	%REC	500	04-Feb-2020 15:46
Surr: 4-Bromofluorobenzene	76.1		70-130	%REC	50	04-Feb-2020 14:06
Surr: Dibromofluoromethane	89.4		70-130	%REC	50	04-Feb-2020 14:06
Surr: Dibromofluoromethane	96.9		70-130	%REC	500	04-Feb-2020 15:46
Surr: Toluene-d8	104		70-130	%REC	500	04-Feb-2020 15:46
Surr: Toluene-d8	126		70-130	%REC	50	04-Feb-2020 14:06
GASOLINE RANGE ORGANICS E SW8015C	BY	Method:SW8015				Analyst: QX
Gasoline Range Organics	450		0.54	mg/Kg-dry	1	31-Jan-2020 15:11
Surr: 4-Bromofluorobenzene	130	S	70-123	%REC	1	31-Jan-2020 15:11
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 0-	4-Feb-2020	Analyst: PVL
TPH (Diesel Range)	8,200		400	mg/Kg-dry	200	05-Feb-2020 08:38
TPH (Motor Oil Range)	4,200	n	790	mg/Kg-dry	200	05-Feb-2020 08:38
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	200	05-Feb-2020 08:38
ANIONS BY E300.0		Method:E300		Prep:E300 / 04-F	eb-2020	Analyst: KMU
Chloride	37.6		5.93	mg/Kg-dry	1	04-Feb-2020 19:23
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	14.7		0.0100	wt%	1	05-Feb-2020 11:36

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-4b-2'

Collection Date: 22-Jan-2020 15:00

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-13

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	0.36		0.27	mg/Kg-dry	50	04-Feb-2020 13:41
Ethylbenzene	19		2.7	mg/Kg-dry	500	04-Feb-2020 15:21
Toluene	9.4		0.27	mg/Kg-dry	50	04-Feb-2020 13:41
Xylenes, Total	88		2.7	mg/Kg-dry	500	04-Feb-2020 15:21
Surr: 1,2-Dichloroethane-d4	106		70-126	%REC	500	04-Feb-2020 15:21
Surr: 1,2-Dichloroethane-d4	94.2		70-126	%REC	50	04-Feb-2020 13:41
Surr: 4-Bromofluorobenzene	98.3		70-130	%REC	50	04-Feb-2020 13:41
Surr: 4-Bromofluorobenzene	102		70-130	%REC	500	04-Feb-2020 15:21
Surr: Dibromofluoromethane	98.2		70-130	%REC	500	04-Feb-2020 15:21
Surr: Dibromofluoromethane	93.6		70-130	%REC	50	04-Feb-2020 13:41
Surr: Toluene-d8	110		70-130	%REC	500	04-Feb-2020 15:21
Surr: Toluene-d8	121		70-130	%REC	50	04-Feb-2020 13:41
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: QX
Gasoline Range Organics	290		0.51	mg/Kg-dry	1	31-Jan-2020 14:54
Surr: 4-Bromofluorobenzene	93.4		70-123	%REC	1	31-Jan-2020 14:54
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 0-	4-Feb-2020	Analyst: PVL
TPH (Diesel Range)	6,500		180	mg/Kg-dry	100	04-Feb-2020 23:05
TPH (Motor Oil Range)	4,200	n	370	mg/Kg-dry	100	04-Feb-2020 23:05
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	04-Feb-2020 23:05
ANIONS BY E300.0		Method:E300		Prep:E300 / 04-Fe	eb-2020	Analyst: KMU
Chloride	1,020		5.15	mg/Kg-dry	1	04-Feb-2020 19:37
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	8.41		0.0100	wt%	1	05-Feb-2020 11:36

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-4b-8'

Collection Date: 22-Jan-2020 15:10

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-14

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	< 0.28		0.28	mg/Kg-dry	50	04-Feb-2020 14:56
Ethylbenzene	18		2.9	mg/Kg-dry	500	04-Feb-2020 16:11
Toluene	3.3		0.28	mg/Kg-dry	50	04-Feb-2020 14:56
Xylenes, Total	53		2.9	mg/Kg-dry	500	04-Feb-2020 16:11
Surr: 1,2-Dichloroethane-d4	100		70-126	%REC	500	04-Feb-2020 16:11
Surr: 1,2-Dichloroethane-d4	104		70-126	%REC	50	04-Feb-2020 14:56
Surr: 4-Bromofluorobenzene	91.4		70-130	%REC	50	04-Feb-2020 14:56
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC	500	04-Feb-2020 16:11
Surr: Dibromofluoromethane	96.4		70-130	%REC	500	04-Feb-2020 16:11
Surr: Dibromofluoromethane	92.4		70-130	%REC	50	04-Feb-2020 14:56
Surr: Toluene-d8	112		70-130	%REC	50	04-Feb-2020 14:56
Surr: Toluene-d8	103		70-130	%REC	500	04-Feb-2020 16:11
GASOLINE RANGE ORGANICS E SW8015C	SY	Method:SW8015				Analyst: QX
Gasoline Range Organics	210		0.48	mg/Kg-dry	1	31-Jan-2020 14:38
Surr: 4-Bromofluorobenzene	110		70-123	%REC	1	31-Jan-2020 14:38
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 0	4-Feb-2020	Analyst: PVL
TPH (Diesel Range)	4,000		190	mg/Kg-dry	100	04-Feb-2020 23:30
TPH (Motor Oil Range)	2,500	n	370	mg/Kg-dry	100	04-Feb-2020 23:30
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	04-Feb-2020 23:30
ANIONS BY E300.0		Method:E300		Prep:E300 / 04-F	eb-2020	Analyst: KMU
Chloride	303		5.51	mg/Kg-dry	1	04-Feb-2020 19:52
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	9.58		0.0100	wt%	1	05-Feb-2020 11:36

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-4b-10'

Collection Date: 22-Jan-2020 15:20

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-15

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	< 0.29		0.29	mg/Kg-dry	50	04-Feb-2020 14:31
Ethylbenzene	5.8		0.29	mg/Kg-dry	50	04-Feb-2020 14:31
Toluene	0.68		0.29	mg/Kg-dry	50	04-Feb-2020 14:31
Xylenes, Total	18		0.29	mg/Kg-dry	50	04-Feb-2020 14:31
Surr: 1,2-Dichloroethane-d4	98.8		70-126	%REC	50	04-Feb-2020 14:31
Surr: 4-Bromofluorobenzene	95.3		70-130	%REC	50	04-Feb-2020 14:31
Surr: Dibromofluoromethane	92.4		70-130	%REC	50	04-Feb-2020 14:31
Surr: Toluene-d8	108		70-130	%REC	50	04-Feb-2020 14:31
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: QX
Gasoline Range Organics	420		0.49	mg/Kg-dry	1	31-Jan-2020 14:22
Surr: 4-Bromofluorobenzene	153	S	70-123	%REC	1	31-Jan-2020 14:22
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 0-	4-Feb-2020	Analyst: PVL
TPH (Diesel Range)	3,100		190	mg/Kg-dry	100	04-Feb-2020 23:54
TPH (Motor Oil Range)	2,100	n	380	mg/Kg-dry	100	04-Feb-2020 23:54
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	04-Feb-2020 23:54
ANIONS BY E300.0		Method:E300		Prep:E300 / 04-Fe	eb-2020	Analyst: KMU
Chloride	257		5.17	mg/Kg-dry	1	04-Feb-2020 20:36
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	10.4		0.0100	wt%	1	05-Feb-2020 11:36

Client: TRC Corporation

Project: Artesia Station West Sample ID: TP-4C-Surface

Collection Date: 22-Jan-2020 16:00

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-16

ANALYSES	RESULT	QUAL	REPORT LIMIT	DILUTION DILUTION FACTO	
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.0057		0.0057	mg/Kg-dry 1	30-Jan-2020 15:16
Ethylbenzene	< 0.0057		0.0057	mg/Kg-dry 1	30-Jan-2020 15:16
Toluene	< 0.0057		0.0057	mg/Kg-dry 1	30-Jan-2020 15:16
Xylenes, Total	0.016		0.0057	mg/Kg-dry 1	30-Jan-2020 15:16
Surr: 1,2-Dichloroethane-d4	101		70-126	%REC 1	30-Jan-2020 15:16
Surr: 4-Bromofluorobenzene	98.7		70-130	%REC 1	30-Jan-2020 15:16
Surr: Dibromofluoromethane	95.5		70-130	%REC 1	30-Jan-2020 15:16
Surr: Toluene-d8	102		70-130	%REC 1	30-Jan-2020 15:16
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015			Analyst: QX
Gasoline Range Organics	0.15		0.056	mg/Kg-dry 1	29-Jan-2020 11:58
Surr: 4-Bromofluorobenzene	116		70-123	%REC 1	29-Jan-2020 11:58
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan-202	20 Analyst: PVL
TPH (Diesel Range)	470		270	mg/Kg-dry 50	30-Jan-2020 09:57
TPH (Motor Oil Range)	2,200	n	550	mg/Kg-dry 50	30-Jan-2020 09:57
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC 50	30-Jan-2020 09:57
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-2020	Analyst: KMU
Chloride	309		5.42	mg/Kg-dry 1	31-Jan-2020 16:35
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	7.02		0.0100	wt % 1	30-Jan-2020 11:12

Client: TRC Corporation

Project: Artesia Station West

Sample ID: TP-4c-12'

Collection Date: 22-Jan-2020 16:20

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-18

ANALYSES	RESULT	QUAL	REPORT LIMIT	DILUTION UNITS FACTOR	
VOLATILES BY SW8260C		Method:SW8260			Analyst: WLR
Benzene	< 0.0058		0.0058	mg/Kg-dry 1	30-Jan-2020 15:41
Ethylbenzene	< 0.0058		0.0058	mg/Kg-dry 1	30-Jan-2020 15:41
Toluene	< 0.0058		0.0058	mg/Kg-dry 1	30-Jan-2020 15:41
Xylenes, Total	< 0.0058		0.0058	mg/Kg-dry 1	30-Jan-2020 15:41
Surr: 1,2-Dichloroethane-d4	98.2		70-126	%REC 1	30-Jan-2020 15:41
Surr: 4-Bromofluorobenzene	97.4		70-130	%REC 1	30-Jan-2020 15:41
Surr: Dibromofluoromethane	95.3		70-130	%REC 1	30-Jan-2020 15:41
Surr: Toluene-d8	97.7		70-130	%REC 1	30-Jan-2020 15:41
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015			Analyst: QX
Gasoline Range Organics	< 0.059		0.059	mg/Kg-dry 1	29-Jan-2020 12:14
Surr: 4-Bromofluorobenzene	119		70-123	%REC 1	29-Jan-2020 12:14
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28-Jan-2020	Analyst: PVL
TPH (Diesel Range)	70		1.9	mg/Kg-dry 1	29-Jan-2020 22:49
TPH (Motor Oil Range)	8.5	n	3.8	mg/Kg-dry 1	29-Jan-2020 22:49
Surr: 2-Fluorobiphenyl	72.2		60-129	%REC 1	29-Jan-2020 22:49
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Jan-2020	Analyst: KMU
Chloride	83.0		5.58	mg/Kg-dry 1	31-Jan-2020 16:50
MOISTURE		Method:SW3550			Analyst: DFF
Percent Moisture	9.73		0.0100	wt % 1	30-Jan-2020 11:12

TRC Corporation Client:

Artesia Station West Project:

Sample ID: TP-5-Surface

Collection Date: 22-Jan-2020 14:15 **ANALYTICAL REPORT**

WorkOrder:HS20011164 Lab ID:HS20011164-19

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	0.0096		0.0053	mg/Kg-dry	1	30-Jan-2020 11:57
Ethylbenzene	0.091		0.0053	mg/Kg-dry	1	30-Jan-2020 11:57
Toluene	0.061		0.0053	mg/Kg-dry	1	30-Jan-2020 11:57
Xylenes, Total	0.15		0.0053	mg/Kg-dry	1	30-Jan-2020 11:57
Surr: 1,2-Dichloroethane-d4	98.0		70-126	%REC	1	30-Jan-2020 11:57
Surr: 4-Bromofluorobenzene	96.8		70-130	%REC	1	30-Jan-2020 11:57
Surr: Dibromofluoromethane	92.9		70-130	%REC	1	30-Jan-2020 11:57
Surr: Toluene-d8	103		70-130	%REC	1	30-Jan-2020 11:57
GASOLINE RANGE ORGANICS BY SW8015C	•	Method:SW8015				Analyst: QX
Gasoline Range Organics	2.0		0.056	mg/Kg-dry	1	29-Jan-2020 12:30
Surr: 4-Bromofluorobenzene	119		70-123	%REC	1	29-Jan-2020 12:30
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 28	3-Jan-2020	Analyst: PVL
TPH (Diesel Range)	940		270	mg/Kg-dry	100	29-Jan-2020 23:13
TPH (Motor Oil Range)	3,000	n	540	mg/Kg-dry	100	29-Jan-2020 23:13
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	29-Jan-2020 23:13
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Ja	n-2020	Analyst: KMU
Chloride	1,300		26.5	mg/Kg-dry	5	31-Jan-2020 17:05
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	6.44		0.0100	wt%	1	30-Jan-2020 11:12

Client:

TRC Corporation

Project:

Artesia Station West

Sample ID:

Collection Date:

TP-5-10'

22-Jan-2020 14:25

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-20

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES BY SW8260C		Method:SW8260				Analyst: WLR
Benzene	2.3		0.28	mg/Kg-dry	50	30-Jan-2020 14:42
Ethylbenzene	58		5.7	mg/Kg-dry	1000	30-Jan-2020 17:37
Toluene	15		5.7	mg/Kg-dry	1000	30-Jan-2020 17:37
Xylenes, Total	120		5.7	mg/Kg-dry	1000	30-Jan-2020 17:37
Surr: 1,2-Dichloroethane-d4	78.1		70-126	%REC	50	30-Jan-2020 14:42
Surr: 1,2-Dichloroethane-d4	91.2		70-126	%REC	1000	30-Jan-2020 17:37
Surr: 4-Bromofluorobenzene	95.8		70-130	%REC	1000	30-Jan-2020 17:37
Surr: 4-Bromofluorobenzene	102		70-130	%REC	50	30-Jan-2020 14:42
Surr: Dibromofluoromethane	93.2		70-130	%REC	1000	30-Jan-2020 17:37
Surr: Dibromofluoromethane	83.4		70-130	%REC	50	30-Jan-2020 14:42
Surr: Toluene-d8	100		70-130	%REC	1000	30-Jan-2020 17:37
Surr: Toluene-d8	120		70-130	%REC	50	30-Jan-2020 14:42
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015				Analyst: QX
Gasoline Range Organics	2,000		3.0	mg/Kg-dry	50	28-Jan-2020 22:50
Surr: 4-Bromofluorobenzene	173	S	70-123	%REC	50	28-Jan-2020 22:50
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3541 / 2	8-Jan-2020	Analyst: PVL
TPH (Diesel Range)	6,700		190	mg/Kg-dry	100	29-Jan-2020 23:38
TPH (Motor Oil Range)	3,900	n	380	mg/Kg-dry	100	29-Jan-2020 23:38
Surr: 2-Fluorobiphenyl	0	JS	60-129	%REC	100	29-Jan-2020 23:38
ANIONS BY E300.0		Method:E300		Prep:E300 / 30-Ja	an-2020	Analyst: KMU
Chloride	998		56.8	mg/Kg-dry	10	31-Jan-2020 17:19
MOISTURE		Method:SW3550				Analyst: DFF
Percent Moisture	12.1		0.0100	wt%	1	30-Jan-2020 11:12

Client: TRC Corporation

Project: Artesia Station West
Sample ID: TB-CG-121719-220
Collection Date: 22-Jan-2020 00:00

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-21

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C		Method:SW8260				Analyst: PC
Benzene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 16:42
Ethylbenzene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 16:42
m,p-Xylene	< 0.010		0.010	mg/L	1	03-Feb-2020 16:42
o-Xylene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 16:42
Toluene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 16:42
Xylenes, Total	< 0.0050		0.0050	mg/L	1	03-Feb-2020 16:42
Surr: 1,2-Dichloroethane-d4	94.0		70-126	%REC	1	03-Feb-2020 16:42
Surr: 4-Bromofluorobenzene	101		82-124	%REC	1	03-Feb-2020 16:42
Surr: Dibromofluoromethane	97.6		77-123	%REC	1	03-Feb-2020 16:42
Surr: Toluene-d8	111		82-127	%REC	1	03-Feb-2020 16:42

Client: TRC Corporation

Project: Artesia Station West
Sample ID: TB-CG-121719-217
Collection Date: 22-Jan-2020 00:00

ANALYTICAL REPORT

WorkOrder:HS20011164 Lab ID:HS20011164-22

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
VOLATILES - SW8260C		Method:SW8260				Analyst: PC
Benzene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 17:06
Ethylbenzene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 17:06
m,p-Xylene	< 0.010		0.010	mg/L	1	03-Feb-2020 17:06
o-Xylene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 17:06
Toluene	< 0.0050		0.0050	mg/L	1	03-Feb-2020 17:06
Xylenes, Total	< 0.0050		0.0050	mg/L	1	03-Feb-2020 17:06
Surr: 1,2-Dichloroethane-d4	97.3		70-126	%REC	1	03-Feb-2020 17:06
Surr: 4-Bromofluorobenzene	101		82-124	%REC	1	03-Feb-2020 17:06
Surr: Dibromofluoromethane	97.6		77-123	%REC	1	03-Feb-2020 17:06
Surr: Toluene-d8	109		82-127	%REC	1	03-Feb-2020 17:06

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ALS Houston, US Date: 06-Feb-20

Weight / Prep Log

Client: TRC Corporation

Project: Artesia Station West

WorkOrder: HS20011164

Batch ID: 3582 **Start Date:** 28 Jan 2020 13:14 **End Date:** 28 Jan 2020 13:14

Method: GASOLINE RANGE ORGANICS BY SW8015C Prep Code:

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS20011164-01	1	4.98 (g)	5 (mL)	1	Bulk (5030B)
HS20011164-04	1	4.94 (g)	5 (mL)	1.01	Bulk (5030B)
HS20011164-16	1	4.77 (g)	5 (mL)	1.05	Bulk (5030B)
HS20011164-18	1	4.72 (g)	5 (mL)	1.06	Bulk (5030B)
HS20011164-19	1	4.76 (g)	5 (mL)	1.05	Bulk (5030B)

Batch ID: 3583 **Start Date:** 28 Jan 2020 14:16 **End Date:** 28 Jan 2020 14:16

Method: GASOLINE RANGE ORGANICS BY SW8015C Prep Code:

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS20011164-02	1	4.71 (g)	5 (mL)	1.06	Bulk (5030B)
HS20011164-03	1	4.95 (g)	5 (mL)	1.01	Bulk (5030B)
HS20011164-05	1	4.8 (g)	5 (mL)	1.04	Bulk (5030B)
HS20011164-06	1	4.89 (g)	5 (mL)	1.02	Bulk (5030B)
HS20011164-07	1	4.79 (g)	5 (mL)	1.04	Bulk (5030B)
HS20011164-08	1	4.87 (g)	5 (mL)	1.03	Bulk (5030B)
HS20011164-09	1	4.93 (g)	5 (mL)	1.01	Bulk (5030B)
HS20011164-11	1	0.54 (g)	0.5 (mL)	0.93	Bulk (5030B)
HS20011164-13	1	0.54 (g)	5 (mL)	9.26	Bulk (5030B)
HS20011164-14	1	0.57 (g)	5 (mL)	8.77	Bulk (5030B)
HS20011164-15	1	0.57 (g)	5 (mL)	8.77	Bulk (5030B)
HS20011164-20	1	4.79 (g)	5 (mL)	1.04	Bulk (5030B)

Batch ID: 3586 **Start Date:** 30 Jan 2020 09:05 **End Date:** 30 Jan 2020 09:05

Method: VOLATILES BY SW8260C

Sample ID	Container	Sample Wt/Vol	Final Volume	Weight Factor	Container Type
HS20011164-01	1	4.829 (g)	5 (mL)	1.04	Bulk (5030B)
HS20011164-03	1	4.715 (g)	5 (mL)	1.06	Bulk (5030B)
HS20011164-04	1	4.794 (g)	5 (mL)	1.04	Bulk (5030B)
HS20011164-05	1	0.522 (g)	5 (mL)	9.58	Bulk (5030B)
HS20011164-06	1	5.096 (g)	5 (mL)	0.98	Bulk (5030B)
HS20011164-16	1	4.737 (g)	5 (mL)	1.06	Bulk (5030B)
HS20011164-18	1	4.806 (g)	5 (mL)	1.04	Bulk (5030B)
HS20011164-19	1	5.046 (g)	5 (mL)	0.99	Bulk (5030B)

Weight / Prep Log

Client: TRC Corporation

Project: Artesia Station West

WorkOrder: HS20011164

Batch ID: 150047	Start Date: 28 Jan 2020 08:53	End Date: 28 Jan 2020 15:00
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Method: SOPREP: 3541 TPH Prep Code: 8015SPR_LL

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Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS20011164-01	1	30.03 (g)	1 (mL)	0.0333	
HS20011164-02	1	30.05 (g)	1 (mL)	0.03328	
HS20011164-03	1	30.11 (g)	1 (mL)	0.03321	
HS20011164-04	1	30.02 (g)	1 (mL)	0.03331	
HS20011164-05	1	30.09 (g)	1 (mL)	0.03323	
HS20011164-06	1	30.04 (g)	1 (mL)	0.03329	
HS20011164-07	1	30.1 (g)	1 (mL)	0.03322	
HS20011164-08	1	30.17 (g)	1 (mL)	0.03315	
HS20011164-09	1	30.13 (g)	1 (mL)	0.03319	
HS20011164-16	1	30.06 (g)	3 (mL)	0.0998	
HS20011164-18	1	30.11 (g)	1 (mL)	0.03321	
HS20011164-19	1	30.23 (g)	1.5 (mL)	0.04962	
HS20011164-20	1	30.18 (g)	1 (mL)	0.03313	

Method: 300 ANIONS SOIL PREP Prep Code: 300_S_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor
HS20011164-01		4.9577 (g)	50 (mL)	10.09
HS20011164-02		5.1996 (g)	50 (mL)	9.616
HS20011164-03		4.98 (g)	50 (mL)	10.04
HS20011164-04		5.0815 (g)	50 (mL)	9.84
HS20011164-05		4.9829 (g)	50 (mL)	10.03
HS20011164-06		5.1121 (g)	50 (mL)	9.781
HS20011164-07		5.0358 (g)	50 (mL)	9.929
HS20011164-08		4.9906 (g)	50 (mL)	10.02
HS20011164-09		5.0313 (g)	50 (mL)	9.938
HS20011164-16		4.9652 (g)	50 (mL)	10.07
HS20011164-18		4.9639 (g)	50 (mL)	10.07
HS20011164-19		5.0367 (g)	50 (mL)	9.927
HS20011164-20		5.0029 (g)	50 (mL)	9.994

Method: 300 ANIONS SOIL PREP Prep Code: 300_S_PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS20011164-11		4.9397 (g)	50 (mL)	10.12	
HS20011164-13		5.3009 (g)	50 (mL)	9.432	
HS20011164-14		5.0155 (g)	50 (mL)	9.969	
HS20011164-15		5.3939 (g)	50 (mL)	9.27	

Start Date: 04 Feb 2020 10:00 **End Date:** 04 Feb 2020 14:00

Method: SOPREP: 3541 TPH Prep Code: 8015SPR_LL

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS20011164-11		30.15 (g)	1 (mL)	0.03317	
HS20011164-13		30.14 (g)	1 (mL)	0.03318	
HS20011164-14		30.11 (g)	1 (mL)	0.03321	
HS20011164-15		30.1 (g)	1 (mL)	0.03322	

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DATES REPORT

ALS Houston, US Date: 06-Feb-20

Client: TRC Corporation

Project: Artesia Station West

WorkOrder: HS20011164

Sample ID Client Samp ID Leachate Date **Prep Date Analysis Date** DF **Collection Date** Batch ID: 150047 (0) Test Name: TPH DRO/ORO BY SW8015C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 28 Jan 2020 08:53 29 Jan 2020 17:06 10 TP-1-6' 22 Jan 2020 09:40 29 Jan 2020 18:19 HS20011164-02 28 Jan 2020 08:53 100 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 28 Jan 2020 08:53 29 Jan 2020 18:44 10 22 Jan 2020 09:50 30 Jan 2020 08:44 HS20011164-04 TP-2-Surface 28 Jan 2020 08:53 20 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 28 Jan 2020 08:53 29 Jan 2020 19:33 100 TP-2-12' 22 Jan 2020 10:00 28 Jan 2020 08:53 29 Jan 2020 19:57 HS20011164-06 100 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 28 Jan 2020 08:53 30 Jan 2020 09:08 200 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 28 Jan 2020 08:53 30 Jan 2020 09:33 200 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 28 Jan 2020 08:53 29 Jan 2020 22:00 100 22 Jan 2020 16:00 30 Jan 2020 09:57 HS20011164-16 TP-4C-Surface 28 Jan 2020 08:53 50 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 28 Jan 2020 08:53 29 Jan 2020 22:49 1 HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 28 Jan 2020 08:53 29 Jan 2020 23:13 100 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 28 Jan 2020 08:53 29 Jan 2020 23:38 100 Batch ID: 150165 (0) Test Name: ANIONS BY E300.0 Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:00 04 Feb 2020 00:33 10 TP-1-6' 31 Jan 2020 14:08 HS20011164-02 22 Jan 2020 09:40 30 Jan 2020 13:00 10 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 13:00 31 Jan 2020 14:23 10 22 Jan 2020 09:50 HS20011164-04 TP-2-Surface 30 Jan 2020 13:00 31 Jan 2020 15:07 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 13:00 31 Jan 2020 15:22 1 22 Jan 2020 10:00 30 Jan 2020 13:00 31 Jan 2020 15:36 HS20011164-06 TP-2-12' 1 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 13:00 31 Jan 2020 15:51 10 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:00 31 Jan 2020 16:06 10 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 13:00 31 Jan 2020 16:20 10 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 13:00 31 Jan 2020 16:35 1 HS20011164-18 TP-4c-12 22 Jan 2020 16:20 30 Jan 2020 13:00 31 Jan 2020 16:50 1 30 Jan 2020 13:00 31 Jan 2020 17:05 HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 5 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 13:00 31 Jan 2020 17:19 10 Test Name: ANIONS BY E300.0 Batch ID: 150257 (0) Matrix: Soil HS20011164-11 TP-4a-6' 22 Jan 2020 13:10 04 Feb 2020 12:00 04 Feb 2020 19:23 1 HS20011164-13 TP-4b-2' 22 Jan 2020 15:00 04 Feb 2020 12:00 04 Feb 2020 19:37 1 HS20011164-14 TP-4b-8' 22 Jan 2020 15:10 04 Feb 2020 12:00 04 Feb 2020 19:52 1 HS20011164-15 TP-4b-10' 22 Jan 2020 15:20 04 Feb 2020 12:00 04 Feb 2020 20:36 1 Batch ID: 150290 (0) Test Name: TPH DRO/ORO BY SW8015C Matrix: Soil 05 Feb 2020 08:38 HS20011164-11 TP-4a-6' 22 Jan 2020 13:10 04 Feb 2020 10:00 200 TP-4b-2' 22 Jan 2020 15:00 04 Feb 2020 10:00 04 Feb 2020 23:05 HS20011164-13 100 HS20011164-14 TP-4b-8' 22 Jan 2020 15:10 04 Feb 2020 10:00 04 Feb 2020 23:30 100 HS20011164-15 TP-4b-10' 22 Jan 2020 15:20 04 Feb 2020 10:00 04 Feb 2020 23:54 100

Client: TRC Corporation
Project: Artesia Station West

WorkOrder: HS20011164

DATES REPORT

Batch ID: R355242 (0) Test Name : GASOLINE RANGE ORGANICS BY SW8015C Matrix: Soil	Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
HS20011164-03	Batch ID: R35524	42 (0) Test	Name: GASOLINE RANGE OR	GANICS BY SW801	5C	Matrix: Soil	
HS20011164-05 TP-2-10¹ 22 Jan 2020 09:55 28 Jan 2020 21:15 6 Del HS20011164-07 HS20011164-07 TP-3-Surface 22 Jan 2020 10:00 28 Jan 2020 21:13 6 Del Sol 2011:13 HS20011164-08 TP-3-6¹° 22 Jan 2020 11:40 28 Jan 2020 21:47 5 Del Sol 2011:40 HS20011164-09 TP-3-12² 22 Jan 2020 11:50 28 Jan 2020 21:47 5 Del Sol 2011:47 HS20011164-01 TP-5-10² 22 Jan 2020 11:50 Matrix: Sol 30 Jan 2020 21:247 6 Del Sol 30 Jan 2020 21:247 1 Del Sol 30 Jan 2020 21:247 1 Del Sol 30 Jan 2020 11:247 1	HS20011164-02	TP-1-6'	22 Jan 2020 09:40			28 Jan 2020 22:03	50
HS20011164-06 TP-2-12' 22 Jan 2020 10:00 28 Jan 2020 21:31 50 16 HS20011164-07 179-3-5 Urface 22 Jan 2020 11:30 28 Jan 2020 22:31 50 16 16 16 179-3-6' 22 Jan 2020 11:50 28 Jan 2020 22:30 50 16 16 16 16 179-3-6' 22 Jan 2020 11:50 28 Jan 2020 22:50 50 16 16 16 179-3-12' 22 Jan 2020 11:50 28 Jan 2020 22:50 50 16 16 16 179-3-12' 22 Jan 2020 11:50 28 Jan 2020 22:50 50 16 16 16 179-3-12' 29 Jan 2020 11:50 29 Jan 2020 12:50 29 Jan 2020 12:50 29 Jan 2020 12:50 29 Jan 2020 12:50 29 Jan 2020 12:30 16 16 16 179-2-Surface 22 Jan 2020 09:50 29 Jan 2020 12:47 1 16 16 16 179-2-Surface 22 Jan 2020 09:50 29 Jan 2020 12:47 1 16 16 16 179-2-Surface 22 Jan 2020 16:00 29 Jan 2020 12:40 1 16 16 16 179-4-C-Surface 22 Jan 2020 16:00 29 Jan 2020 12:40 1 16 16 16 179-5-Surface 22 Jan 2020 16:00 29 Jan 2020 12:30 1 16 16 16 179-5-Surface 22 Jan 2020 16:00 29 Jan 2020 12:30 1 16 16 16 179-5-Surface 22 Jan 2020 14:15 29 Jan 2020 15:50 1 16 16 16 179-5-Surface 22 Jan 2020 14:15 29 Jan 2020 15:50 1 16 16 16 179-5-Surface 22 Jan 2020 14:15 29 Jan 2020 15:50 1 16 16 16 16 16 16 16 16 16 16 16 16 1	HS20011164-03	TP-1-12'	22 Jan 2020 09:45			28 Jan 2020 19:25	50
HS20011164-07	HS20011164-05	TP-2-10'	22 Jan 2020 09:55			28 Jan 2020 21:15	50
HS20011164-08 TP-3-6' 22 Jan 2020 11:40 28 Jan 2020 22:34 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 28 Jan 2020 21:47 50 HS20011164-01 TP-5-10' 22 Jan 2020 14:25 28 Jan 2020 22:50 50 Batch ID: R3553*** Test Name: GASCLINE RANGE ORGANICS BY SW8015C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 29 Jan 2020 13:22 1 HS20011164-04 TP-2-Surface 22 Jan 2020 16:00 29 Jan 2020 11:24 1 HS20011164-10 TP-4-6-12' 22 Jan 2020 14:15 29 Jan 2020 12:14 1 HS20011164-10 TP-4-6-12' 22 Jan 2020 14:50 29 Jan 2020 12:14 1 HS20011164-10 TP-4-6-12' 22 Jan 2020 14:50 Matrix: Soil 4 HS20011164-10 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 50 HS20011164-02 TP-1-6' 22 Jan 2020 11:30 30 Jan 2020 16:22 50 HS20011164-03 TP-3-8' 22 Jan 2020 11:30 30 Jan 2020 16:22 50 HS20011164-09 TP-3-6'	HS20011164-06	TP-2-12'	22 Jan 2020 10:00			28 Jan 2020 21:31	50
HS2001116409 TP-3-12' 22 Jan 2020 11:50 28 Jan 2020 21:50 50 HS2001116420 TP-5-10' 22 Jan 2020 14:25 28 Jan 2020 22:50 50 Back ID: R35537 Test Name: GASUINE RANGE ORGANICS BY SW8015C Matrix: Soil 1 HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 29 Jan 2020 11:22 1 HS20011164-10 TP-2-Surface 22 Jan 2020 16:00 29 Jan 2020 11:21 1 HS20011164-11 TP-4-C-Surface 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-10 TP-4-C-Surface 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-10 TP-5-Surface 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-10 TP-1-6' 22 Jan 2020 14:15 30 Jan 2020 15:37 50 HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:37 50 HS20011164-03 TP-1-6' 22 Jan 2020 11:30 30 Jan 2020 16:20 30 Jan 2020 16:20 50 HS20011164-04 TP-3-8urface 22 Jan 2020 11:30 30 Jan 2020 16:20 30 Jan 2020 16:20 </td <td>HS20011164-07</td> <td>TP-3-Surface</td> <td>22 Jan 2020 11:30</td> <td></td> <td></td> <td>28 Jan 2020 22:19</td> <td>50</td>	HS20011164-07	TP-3-Surface	22 Jan 2020 11:30			28 Jan 2020 22:19	50
HS20011164-20 TP-5-10* 22 Jan 2020 14:25 88 Jan 2020 22:50* 50 Batch ID: R3553-3** Test Name: GASOLINE RANGE ORGANICS BY SW8015C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 29 Jan 2020 13:22 1 HS20011164-10 TP-2-Surface 22 Jan 2020 16:00 29 Jan 2020 11:58 1 HS20011164-10 TP-4C-Surface 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-10 TP-4C-Surface 22 Jan 2020 16:20 29 Jan 2020 12:30 1 HS20011164-10 TP-4C-12* 22 Jan 2020 16:20 29 Jan 2020 15:30 1 HS20011164-10 TP-16* 22 Jan 2020 14:15 29 Jan 2020 15:57 500 HS20011164-10 TP-1-6* 22 Jan 2020 09:40 30 Jan 2020 15:57 500 HS20011164-10 TP-1-6* 22 Jan 2020 09:40 30 Jan 2020 16:20 50 HS20011164-10 TP-1-8* 22 Jan 2020 11:30 30 Jan 2020 16:20 50 HS20011164-10 TP-3-8* 22 Jan 2020 11:30 30 Jan 2020 16:20 50 HS20011164-10 TP-3-	HS20011164-08	TP-3-6'	22 Jan 2020 11:40			28 Jan 2020 22:34	50
Batch ID: R35533√ () Test Name: GASCLINE RANGE ORGANICS BY SW8015C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 29 Jan 2020 13:22 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 29 Jan 2020 12:47 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 29 Jan 2020 12:15 1 HS20011164-18 TP-4c-12' 22 Jan 2020 14:15 29 Jan 2020 12:30 1 HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 29 Jan 2020 12:30 1 HS20011164-09 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 50 HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 50 HS20011164-07 TP-3-Surface 22 Jan 2020 09:40 30 Jan 2020 15:37 50 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 16:22 50 HS20011164-07 TP-3-Surface 22 Jan 2020 11:50 30 Jan 2020 16:24 1000 HS20011164-08 TP-3-6' 22 Jan 2020 11:50 30 Jan 2020 17:37 50 HS20	HS20011164-09	TP-3-12'	22 Jan 2020 11:50			28 Jan 2020 21:47	50
HS20011164-01 P-1-Surface 22 Jan 2020 09:35 29 Jan 2020 13:22 1 HS20011164-04 P-2-Surface 22 Jan 2020 09:50 29 Jan 2020 12:47 1 HS20011164-16 P-4C-Surface 22 Jan 2020 16:00 29 Jan 2020 11:58 1 HS20011164-18 P-4C-12' 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-19 P-5-Surface 22 Jan 2020 14:15 29 Jan 2020 12:30 1 Batch ID: R355335 (HS20011164-20	TP-5-10'	22 Jan 2020 14:25			28 Jan 2020 22:50	50
HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 29 Jan 2020 12:47 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 29 Jan 2020 11:58 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 29 Jan 2020 12:30 1 ***Batch ID: R355335 (Batch ID: R35530	03 (0) Test	Name: GASOLINE RANGE OR	GANICS BY SW801	5C	Matrix: Soil	
HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 29 Jan 2020 11:58 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 29 Jan 2020 12:30 1 Batch ID: R355335 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 50 HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 12:37 50 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 16:22 500 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 16:47 1000 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 18:47 1000 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 50 HS20011164-09 TP-5-10' 22 Jan 2020 11:50 30 Jan 2020 17:12 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:07 30 J	HS20011164-01	TP-1-Surface	22 Jan 2020 09:35			29 Jan 2020 13:22	1
HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 29 Jan 2020 12:14 1 HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 29 Jan 2020 12:30 1 Batch ID: R355335	HS20011164-04	TP-2-Surface	22 Jan 2020 09:50			29 Jan 2020 12:47	1
HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 29 Jan 2020 12:30 1 Batch ID: R355335 () Test Name : VoLATILES BY SW8260C Matrix: Soil HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 500 HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 16:22 500 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 16:22 500 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 16:47 1000 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 100 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R35535t () Test Name : VoLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:55	HS20011164-16	TP-4C-Surface	22 Jan 2020 16:00			29 Jan 2020 11:58	1
Batch ID: R355335 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 500 HS20011164-07 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 12:37 50 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 13:27 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 16:47 1000 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: RS355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil Matrix: Soil <td>HS20011164-18</td> <td>TP-4c-12'</td> <td>22 Jan 2020 16:20</td> <td></td> <td></td> <td>29 Jan 2020 12:14</td> <td>1</td>	HS20011164-18	TP-4c-12'	22 Jan 2020 16:20			29 Jan 2020 12:14	1
HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 15:57 500 HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 12:37 50 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 16:22 500 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 13:27 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:20 50 HS20011164-01 TP-1-Surface 22 Jan 2020 09:45 30 Jan 2020 13:36 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 14:51 1 HS20011164-06 TP-2-12' 22 Jan 2020 09:55 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 10:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4C-Surface 22 Jan 2020 10:00 30 Jan 2020 15:11 1 HS20011164-18 TP-4C-Surface 22 Jan 2020 10:00 30 Jan 2020 15:11 1 HS20011164-18 TP-4C-Surface 22 Jan 2020 10:00 30 Jan 2020 15:11 1	HS20011164-19	TP-5-Surface	22 Jan 2020 14:15			29 Jan 2020 12:30	1
HS20011164-02 TP-1-6' 22 Jan 2020 09:40 30 Jan 2020 12:37 50 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 13:27 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:25 41 Jan 2020 14:2	Batch ID: R35533	35 (0) Test	Name: VOLATILES BY SW826	0C		Matrix: Soil	
HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 16:22 500 HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 13:27 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 16:47 1000 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-01 TP-1-Surface 22 Jan 2020 09:45 30 Jan 2020 14:26 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:55 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 14:51 1 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:14 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:16 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:14 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:14 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:14 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:14 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Ja	HS20011164-02	TP-1-6'	22 Jan 2020 09:40			30 Jan 2020 15:57	500
HS20011164-07 TP-3-Surface 22 Jan 2020 11:30 30 Jan 2020 13:27 50 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:50 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:55 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-06 TP-2-12' 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS2001	HS20011164-02	TP-1-6'	22 Jan 2020 09:40			30 Jan 2020 12:37	50
HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 16:47 1000 HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-09 TP-3-12' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 14:51 1 HS20011164-16 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 15:16 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1	HS20011164-07	TP-3-Surface	22 Jan 2020 11:30			30 Jan 2020 16:22	500
HS20011164-08 TP-3-6' 22 Jan 2020 11:40 30 Jan 2020 13:52 50 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 14:51 1 HS20011164-16 TP-2-12' 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-07	TP-3-Surface	22 Jan 2020 11:30			30 Jan 2020 13:27	50
HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 17:12 500 HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-16 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-08	TP-3-6'	22 Jan 2020 11:40			30 Jan 2020 16:47	1000
HS20011164-09 TP-3-12' 22 Jan 2020 11:50 30 Jan 2020 14:17 50 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 14:21 1 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4C-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-08	TP-3-6'	22 Jan 2020 11:40			30 Jan 2020 13:52	50
HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 17:37 1000 HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-09	TP-3-12'	22 Jan 2020 11:50			30 Jan 2020 17:12	500
HS20011164-20 TP-5-10' 22 Jan 2020 14:25 30 Jan 2020 14:42 50 Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-09	TP-3-12'	22 Jan 2020 11:50			30 Jan 2020 14:17	50
Batch ID: R355354 (0) Test Name: VOLATILES BY SW8260C Matrix: Soil HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-20	TP-5-10'	22 Jan 2020 14:25			30 Jan 2020 17:37	1000
HS20011164-01 TP-1-Surface 22 Jan 2020 09:35 30 Jan 2020 13:36 1 HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-20	TP-5-10'	22 Jan 2020 14:25			30 Jan 2020 14:42	50
HS20011164-03 TP-1-12' 22 Jan 2020 09:45 30 Jan 2020 14:01 1 HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	Batch ID: R3553	54 (0) Test	Name: VOLATILES BY SW826	0C		Matrix: Soil	
HS20011164-04 TP-2-Surface 22 Jan 2020 09:50 30 Jan 2020 14:26 1 HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-01	TP-1-Surface	22 Jan 2020 09:35			30 Jan 2020 13:36	1
HS20011164-05 TP-2-10' 22 Jan 2020 09:55 30 Jan 2020 12:22 10 HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-03	TP-1-12'	22 Jan 2020 09:45			30 Jan 2020 14:01	1
HS20011164-06 TP-2-12' 22 Jan 2020 10:00 30 Jan 2020 14:51 1 HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-04	TP-2-Surface	22 Jan 2020 09:50			30 Jan 2020 14:26	1
HS20011164-16 TP-4C-Surface 22 Jan 2020 16:00 30 Jan 2020 15:16 1 HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-05	TP-2-10'	22 Jan 2020 09:55			30 Jan 2020 12:22	10
HS20011164-18 TP-4c-12' 22 Jan 2020 16:20 30 Jan 2020 15:41 1	HS20011164-06	TP-2-12'	22 Jan 2020 10:00			30 Jan 2020 14:51	1
	HS20011164-16	TP-4C-Surface	22 Jan 2020 16:00			30 Jan 2020 15:16	1
HS20011164-19 TP-5-Surface 22 Jan 2020 14:15 30 Jan 2020 11:57 1	HS20011164-18	TP-4c-12'	22 Jan 2020 16:20			30 Jan 2020 15:41	1
	HS20011164-19	TP-5-Surface	22 Jan 2020 14:15			30 Jan 2020 11:57	1

Client: TRC Corporation

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Project: Artesia Station West DATES REPORT

WorkOrder: HS20011164

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R35543	6 (0) Test	Name: MOISTURE			Matrix: Soil	
HS20011164-01	TP-1-Surface	22 Jan 2020 09:35			30 Jan 2020 11:12	1
HS20011164-02	TP-1-6'	22 Jan 2020 09:40			30 Jan 2020 11:12	1
HS20011164-03	TP-1-12'	22 Jan 2020 09:45			30 Jan 2020 11:12	1
HS20011164-04	TP-2-Surface	22 Jan 2020 09:50			30 Jan 2020 11:12	1
HS20011164-05	TP-2-10'	22 Jan 2020 09:55			30 Jan 2020 11:12	1
HS20011164-06	TP-2-12'	22 Jan 2020 10:00			30 Jan 2020 11:12	1
HS20011164-07	TP-3-Surface	22 Jan 2020 11:30			30 Jan 2020 11:12	1
HS20011164-08	TP-3-6'	22 Jan 2020 11:40			30 Jan 2020 11:12	1
HS20011164-09	TP-3-12'	22 Jan 2020 11:50			30 Jan 2020 11:12	1
HS20011164-16	TP-4C-Surface	22 Jan 2020 16:00			30 Jan 2020 11:12	1
HS20011164-18	TP-4c-12'	22 Jan 2020 16:20			30 Jan 2020 11:12	1
HS20011164-19	TP-5-Surface	22 Jan 2020 14:15			30 Jan 2020 11:12	1
HS20011164-20	TP-5-10'	22 Jan 2020 14:25			30 Jan 2020 11:12	1
Batch ID: R35552	2 (0) Test	Name: GASOLINE RANGE OR	GANICS BY SW801	5C	Matrix: Soil	
HS20011164-11	TP-4a-6'	22 Jan 2020 13:10			31 Jan 2020 15:11	1
HS20011164-13	TP-4b-2'	22 Jan 2020 15:00			31 Jan 2020 14:54	1
HS20011164-14	TP-4b-8'	22 Jan 2020 15:10			31 Jan 2020 14:38	1
HS20011164-15	TP-4b-10'	22 Jan 2020 15:20			31 Jan 2020 14:22	1
Batch ID: R35557	5 (0) Test	Name: VOLATILES BY SW826	0C		Matrix: Soil	
HS20011164-11	TP-4a-6'	22 Jan 2020 13:10			04 Feb 2020 15:46	500
HS20011164-11	TP-4a-6'	22 Jan 2020 13:10			04 Feb 2020 14:06	50
HS20011164-13	TP-4b-2'	22 Jan 2020 15:00			04 Feb 2020 15:21	500
HS20011164-13	TP-4b-2'	22 Jan 2020 15:00			04 Feb 2020 13:41	50
HS20011164-14	TP-4b-8'	22 Jan 2020 15:10			04 Feb 2020 16:11	500
HS20011164-14	TP-4b-8'	22 Jan 2020 15:10			04 Feb 2020 14:56	50
HS20011164-15	TP-4b-10'	22 Jan 2020 15:20			04 Feb 2020 14:31	50
Batch ID: R35559	6 (0) Test	Name: VOLATILES - SW82600	;		Matrix: Water	
HS20011164-21	TB-CG-121719-22	20 22 Jan 2020 00:00			03 Feb 2020 16:42	1
HS20011164-22	TB-CG-121719-2	17 22 Jan 2020 00:00			03 Feb 2020 17:06	1
Batch ID: R35578	5 (0) Test	Name: MOISTURE			Matrix: Soil	
HS20011164-11	TP-4a-6'	22 Jan 2020 13:10			05 Feb 2020 11:36	1
HS20011164-13	TP-4b-2'	22 Jan 2020 15:00			05 Feb 2020 11:36	1
HS20011164-14	TP-4b-8'	22 Jan 2020 15:10			05 Feb 2020 11:36	1
HS20011164-15	TP-4b-10'	22 Jan 2020 15:20			05 Feb 2020 11:36	1

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WorkOrder:

Batch ID: 150047 (0)	Ins	trument:	FID-7	М	ethod: 1	TPH DRO/OF	RO BY SW801	15C	
MBLK Sample	D: MBLK-150047		Units:	mg/Kg	Ana	alysis Date:	29-Jan-2020	16:17	
Client ID:	F	Run ID: FID-7	_355366	SeqNo:	5453500	PrepDate:	28-Jan-2020	DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPI %RPD Limi	
TPH (Diesel Range)	< 1.7	1.7							
TPH (Motor Oil Range)	< 3.4	3.4							
Surr: 2-Fluorobiphenyl	2.336	0.10	3.33	0	70.2	70 - 130			
LCS Sample	D: LCS-150047		Units:	mg/Kg	Ana	alysis Date:	29-Jan-2020	16:42	
Client ID:	F	Run ID: FID-7	_355366	SeqNo:	5453501	PrepDate:	28-Jan-2020	DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPI %RPD Limi	
TPH (Diesel Range)	28.47	1.7	33.33	0	85.4	70 - 130			
TPH (Motor Oil Range)	26.44	3.4	33.33	0	79.3	70 - 130			
Surr: 2-Fluorobiphenyl	2.541	0.10	3.33	0	76.3	70 - 130			
MS Sample	ID: HS20011164-01M	IS	Units:	mg/Kg	Ana	alysis Date:	29-Jan-2020	17:31	
Client ID: TP-1-Surface	F	Run ID: FID-7	_355366	SeqNo:	5453503	PrepDate:	28-Jan-2020	DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPI %RPD Limi	
TPH (Diesel Range)	108.8	17	33.24	40.75	205	70 - 130			5
TPH (Motor Oil Range)	244.7	34	33.24	139.4	317	70 - 130			SC
Surr: 2-Fluorobiphenyl	2.682	1.0	3.321	0	80.8	60 - 129			
MSD Sample	ID: HS20011164-01N	ISD	Units:	mg/Kg	Ana	alysis Date:	29-Jan-2020	17:55	
Client ID: TP-1-Surface	F	Run ID: FID-7	_355366	SeqNo:	453504	PrepDate:	28-Jan-2020	DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPI %RPD Limi	-
TPH (Diesel Range)	106.3	17	33.32	40.75	197	70 - 130	108.8	2.29 3	0 8
TPH (Motor Oil Range)	255.4	34	33.32	139.4	348	70 - 130	244.7	4.28 3	0 SC
Surr: 2-Fluorobiphenyl	2.934	1.0	3.329	0	88.1	60 - 129	2.682	8.97 3	0
The following samples were an	HS2 HS2	0011164-01 0011164-05 0011164-09 0011164-20	HS2001116 HS2001116 HS2001116	54-06	HS200111 HS200111 HS200111	64-07	HS20011164- HS20011164- HS20011164-	08	

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WorkOrder:

Batch ID: 150290 (0)	Instrume	nt:	FID-7	Me	ethod: T	PH DRO/OF	RO BY SW80	15C
MBLK Sample ID:	MBLK-150290		Units:	mg/Kg	Ana	ılysis Date:	05-Feb-2020	11:11
Client ID:	Run ID:	FID-	7_355685	SeqNo: 5	460531	PrepDate:	04-Feb-2020	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
TPH (Diesel Range)	< 1.7	1.7						
TPH (Motor Oil Range)	< 3.4	3.4						
Surr: 2-Fluorobiphenyl	2.485	0.10	3.33	0	74.6	70 - 130		
LCS Sample ID:	LCS-150290		Units:	mg/Kg	Ana	lysis Date:	04-Feb-2020	21:27
Client ID:	Run ID:	FID-	7_355685	SeqNo: 5	460287	PrepDate:	04-Feb-2020	DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
TPH (Diesel Range)	30.81	1.7	33.33	0	92.4	70 - 130		
TPH (Motor Oil Range)	26.44	3.4	33.33	0	79.3	70 - 130		
Surr: 2-Fluorobiphenyl	2.599	0.10	3.33	0	78.0	70 - 130		
MS Sample ID:	HS20011164-11MS		Units:	mg/Kg	Ana	llysis Date:	04-Feb-2020	22:16
Client ID: TP-4a-6'	Run ID:	FID-	7_355685	SeqNo: 5	460289	PrepDate:	04-Feb-2020	DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
TPH (Diesel Range)	7388	170	33.29	7271	353	70 - 130		S
TPH (Motor Oil Range)	3405	340	33.29	3541	-409	70 - 130		
Surr: 2-Fluorobiphenyl	< 10	10	3.326	0	0	60 - 129		
MSD Sample ID:	HS20011164-11MSD		Units:	mg/Kg	Ana	llysis Date:	04-Feb-2020	22:41
Client ID: TP-4a-6'	Run ID:	FID-	7_355685	SeqNo: 5	460290	PrepDate:	04-Feb-2020	DF: 100
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qua
TPH (Diesel Range)	10020	170	33.23	7271	8270	70 - 130	7388	30.2 30 SR
TPH (Motor Oil Range)	5187	340	33.23	3541	4950	70 - 130	3405	41.5 30 S
Surr: 2-Fluorobiphenyl	< 10	10	3.32	0	0	60 - 129	0	0 30
The following samples were analyze	d in this batch: HS2001116	4-11	HS2001116	54-13	HS200111	64-14	HS20011164	-15

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WorkOrder:

Batch ID:	R355242 (0)	Ins	strument:	FID-14	M	ietnoa:	GASOLINE F GW8015C	RANGE ORG	ANICS BY
MBLK	Sample ID:	MBLK-2001281		Units	: mg/Kg	Ana	alysis Date:	28-Jan-2020	19:09
Client ID:		ı	Run ID: FI	D-14_355242	SeqNo:	5451050	PrepDate:		DF: 50
Analyte		Result	PQ	L SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Ra	ange Organics	< 2.5	2.	5					
Surr: 4-Bro	mofluorobenzene	5.954	0.2	5 5	0	119	75 - 121		
LCS	Sample ID:	LCS-2001281		Units	: mg/Kg	Ana	alysis Date:	28-Jan-2020	18:37
Client ID:		ı	Run ID: FI	D-14_355242	SeqNo:	5451048	PrepDate:		DF: 1
Analyte		Result	PQ	L SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Ra	ange Organics	0.9267	0.05	0 1	0	92.7	72 - 121		
Surr: 4-Bro	mofluorobenzene	0.121	0.005	0.1	0	121	75 - 121		
LCSD	Sample ID:	LCSD-2001281		Units	: mg/Kg	Ana	alysis Date:	28-Jan-2020	18:53
Client ID:		I	Run ID: FI	D-14_355242	SeqNo:	5451049	PrepDate:		DF: 1
Analyte		Result	PQ	L SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline R	ange Organics	0.9942	0.05	0 1	0	99.4	70 - 121	0.9267	7.02 30
Surr: 4-Bro	mofluorobenzene	0.1207	0.005	0.1	0	121	75 - 121	0.121	0.219 30
MS	Sample ID:	HS20011164-03N	//S	Units	: mg/Kg	Ana	alysis Date:	28-Jan-2020	19:41
Client ID:	TP-1-12'	1	Run ID: FI	D-14_355242	SeqNo:	5451052	PrepDate:		DF: 50
Analyte		Result	PQ	L SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Ra	ange Organics	116.4	2.	5 50.5	73.35	85.3	70 - 130		
Surr: 4-Bro	mofluorobenzene	5.11	0.2	5 5.05	0	101	70 - 123		
MSD	Sample ID:	HS20011164-03N	MSD	Units	: mg/Kg	Ana	alysis Date:	28-Jan-2020	19:56
Client ID:	TP-1-12'	I	Run ID: FI	D-14_355242	SeqNo:	5451053	PrepDate:		DF: 50
Analyte		Result	PQ	L SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Ra	ange Organics	117.4	2.	5 50.5	73.35	87.3	70 - 130	116.4	0.866 30
Surr: 4-Bro	mofluorobenzene	5.364	0.2	5 5.05	0	106	70 - 123	5.11	4.84 30
The following	g samples were analyze		20011164-02 20011164-07	HS20011 HS20011		HS200111 HS200111		HS20011164 HS20011164	

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WorkOrder:

Batch ID:	R355303 (0)	In	strument:	FID-14	M	emou.	GASOLINE F SW8015C	RANGE ORG	ANICS BY
MBLK	Sample ID:	MBLK-200129		Units:	mg/Kg	An	alysis Date:	29-Jan-2020	10:35
Client ID:			Run ID: FID-	14_355303	SeqNo: 5	452058	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Gasoline R	ange Organics	< 0.050	0.050						
Surr: 4-Bro	mofluorobenzene	0.11	0.0050	0.1	0	110	75 - 121		
LCS	Sample ID:	LCS-200129		Units:	mg/Kg	An	alysis Date:	29-Jan-2020	10:18
Client ID:			Run ID: FID-	14_355303	SeqNo: 5	452057	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline R	ange Organics	1.019	0.050	1	0	102	72 - 121		
Surr: 4-Bro	mofluorobenzene	0.08573	0.0050	0.1	0	85.7	75 - 121		
MS	Sample ID:	HS20011164-18	MS	Units:	mg/Kg	An	alysis Date:	29-Jan-2020	13:55
Client ID:	TP-4c-12'		Run ID: FID-	14_355303	SeqNo: 5	452064	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline R	ange Organics	1.082	0.052	1.03	0	105	70 - 130		
Surr: 4-Bro	mofluorobenzene	0.09525	0.0052	0.103	0	92.5	70 - 123		
MSD	Sample ID:	HS20011164-18	MSD	Units:	mg/Kg	An	alysis Date:	29-Jan-2020	14:11
Client ID:	TP-4c-12'		Run ID: FID-	14_355303	SeqNo: 5	452065	PrepDate:		DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline R	ange Organics	0.9839	0.052	1.05	0	93.7	70 - 130	1.082	9.52 30
Surr: 4-Bro	mofluorobenzene	0.08535	0.0052	0.105	0	81.3	70 - 123	0.09525	11 30
The following	g samples were analyze		20011164-01 20011164-19	HS2001110	54-04	HS200111	64-16	HS20011164	18

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WorkOrder:

Batch ID: R355522 (0)	Inst	trument: F	ID-14	Me	emoa.	SASOLINE R SW8015C	RANGE ORG	ANICS BY
MBLK Sample ID:	MBLK-200131		Units:	mg/Kg	Ana	alysis Date:	31-Jan-2020	10:35
Client ID:	R	tun ID: FID-14	_355522	SeqNo: 5	456812	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Range Organics	< 0.050	0.050						
Surr: 4-Bromofluorobenzene	0.1072	0.0050	0.1	0	107	75 - 121		
LCS Sample ID:	LCS-200131		Units:	mg/Kg	Ana	alysis Date:	31-Jan-2020	10:19
Client ID:	R	tun ID: FID-14	_355522	SeqNo: 5	456811	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Range Organics	1.067	0.050	1	0	107	72 - 121		
Surr: 4-Bromofluorobenzene	0.0878	0.0050	0.1	0	87.8	75 - 121		
MS Sample ID:	HS20011425-01M	S	Units:	mg/Kg	Ana	alysis Date:	31-Jan-2020	12:52
Client ID:	R	tun ID: FID-14	_355522	SeqNo: 5	456819	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Range Organics	1.071	0.053	1.06	0	101	70 - 130		
Surr: 4-Bromofluorobenzene	0.08045	0.0053	0.106	0	75.9	70 - 123		
MSD Sample ID:	HS20011425-01M	SD	Units:	mg/Kg	Ana	alysis Date:	31-Jan-2020	13:08
Client ID:	R	tun ID: FID-14	_355522	SeqNo: 5	456820	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Gasoline Range Organics	1.037	0.052	1.04	0	99.8	70 - 130	1.071	3.15 30
Surr: 4-Bromofluorobenzene	0.07748	0.0052	0.104	0	74.5	70 - 123	0.08045	3.76 30
The following samples were analyze	ed in this batch: HS20	0011164-11	HS2001116	54-13	HS200111	64-14	HS20011164	-15

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Result Pol. SPK Val SPK Val SPK Ref SPK Ref Control RPD Ref RPD Ref										
Cilient ID:	Batch ID: R3	55335 (0)	Instrume	ent:	VOA8	М	ethod: \	OLATILES	BY SW82600	
Result PQL SPK Val SPK Ref Value %REC Control RPD Ref RPD Limit Qual	MBLK	Sample ID:	MBLKW1-013020		Units:	ug/Kg	Ana	alysis Date:	30-Jan-2020	09:17
Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual	Client ID:		Run ID	: VOA	8_355335	SeqNo: 5	5453105	PrepDate:		DF: 50
Ethylbenzene	Analyte		Result	PQL	SPK Val		%REC			
Toluene	Benzene		< 250	250						
Xylenes Xyle	Ethylbenzene		< 250	250						
Surr: 1,2-Dichloroethane-d4 2241 0 2500 0 89.6 76 - 125 Surr: 4-Bromofluorobenzene 2276 0 2500 0 91.0 80 - 120 Surr: 10bromofluoromethane 2334 0 2500 0 93.4 80 - 119 Surr: Toluene-d8 2403 0 2500 0 96.1 81 - 118 LCS Sample ID: VLCSW1-013020 Units: ug/Kg Analysis Date: 30-Jan-2020 08:27 Client ID: Run ID: VOA8_355335 SeqNo: 5453104 PrepDate: DF: 1 Analyte Result PQL SPK Val Value %REC Control RPD Ref RPD Limit Qual Benzene 51.9 5.0 50 0 104 75 - 124 Ethylbenzene 54.47 5.0 50 0 107 77 - 128 Surr: 1-2-Dichloroethane-d4 43.83 0 50 0 87.7 76 - 125 Surr: 2-Dichloroethane-d4 49.69 0 50 <td>Toluene</td> <td></td> <td>< 250</td> <td>250</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Toluene		< 250	250						
Surr. 4-Bromofluorobenzene 2276 0 2500 0 91.0 80 - 120 Surr. Dibromofluoromethane 2334 0 2500 0 93.4 80 - 119 Surr. Toluene-d8 2403 0 2500 0 96.1 81 - 118 LCS Sample ID: VLCSWI-013020 Units: ug/Kg Analysis Date: 30-Jan-2020 08:27 Client ID: Run ID: VOA8_355335 SeqNo: \$543104 PrepDate: DF: 1 Analyte Result POL SPK Val SPK Ref Value Control RPD Ref RPD Ref Value RPD Lmit Qual Benzene 51.9 5.0 50 0 104 75 - 124 Telepidence 54.47 5.0 50 0 109 70 - 123 Telepidence 51.67 5.0 50 0 109 70 - 122 Telepidence 48.47 5.0 50 0 107 77 - 128 Telepidence 48.74 0 50 0 97.5 80 - 120 Sequence 280	Xylenes, Total		< 250	250						
Surr. Dibromofiluoromethane 2334 0 2500 0 93.4 80 - 119 Surr. Toluene-d8 2403 0 2500 0 96.1 81 - 118 LCS Sample ID: VLCSW1-013020 Units: ug/Kg Analysts Date: 30-Jan-2020 08:27 Client ID: Ray ID: VOA8_355335 SeqNo: 5453104 PrepDate: DF: 1 Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref RPD Ref RPD Limit Qual Benzene 51.9 5.0 50 0 104 75-124 </td <td>Surr: 1,2-Dichlo</td> <td>proethane-d4</td> <td>2241</td> <td>0</td> <td>2500</td> <td>0</td> <td>89.6</td> <td>76 - 125</td> <td></td> <td></td>	Surr: 1,2-Dichlo	proethane-d4	2241	0	2500	0	89.6	76 - 125		
Control Cont	Surr: 4-Bromofi	luorobenzene	2276	0	2500	0	91.0	80 - 120		
Client ID: Number Number	Surr: Dibromofl	uoromethane	2334	0	2500	0	93.4	80 - 119		
Result PQL SPK Val SPK Val	Surr: Toluene-c	18	2403	0	2500	0	96.1	81 - 118		
Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD Limit Qual Benzene 51.9 5.0 50 0 104 75 - 124 5 - 12	LCS	Sample ID:	VLCSW1-013020		Units:	ug/Kg	Ana	alysis Date:	30-Jan-2020	08:27
Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual	Client ID:		Run IE	: VOA	8_355335	SeqNo: 5	5453104	PrepDate:		DF: 1
Ethylbenzene	Analyte		Result	PQL	SPK Val		%REC			
Toluene 51.67 5.0 50 0 103 76 - 122 Xylenes, Total 160.1 5.0 150 0 107 77 - 128 Surr: 1,2-Dichloroethane-d4 43.83 0 50 0 97.5 80 - 120 Surr: 4-Bromofluorobenzene 48.74 0 50 0 98.2 80 - 119 Surr: Toluene-d8 49.69 0 50 0 99.4 81 - 118 MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val SPK Val REC Control RPD Ref Value Republication (April 100) Ethylbenzene 265700 24000 245000 695.7 102 70 - 130 Ethylbenzene 261400 24000 245000 102 70 - 130 Xylenes, Total 787400 24000 735000 0 107 70 - 130 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.8 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Benzene		51.9	5.0	50	0	104	75 - 124		
Xylenes, Total 160.1 5.0 150 0 107 77 - 128 Surr: 1,2-Dichloroethane-d4 43.83 0 50 0 87.7 76 - 125 Surr: A-Bromofluorobenzene 48.74 0 50 0 97.5 80 - 120 Surr: Dibromofluoromethane 49.12 0 50 0 98.2 80 - 119 Surr: Toluene-d8 49.69 0 50 0 99.4 81 - 118 MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val Value %REC Control Control Value RPD Ref RPD Ref RPD Limit Qual Benzene 251800 24000 245000 695.7 102 70 - 130 Ethylbenzene 265700 24000 245000 0 108 70 - 130 Xylenes, Total 787400 24000 735000 0	Ethylbenzene		54.47	5.0	50	0	109	70 - 123		
Surr: 1,2-Dichloroethane-d4 43.83 0 50 0 87.7 76 - 125 Surr: 4-Bromofluorobenzene 48.74 0 50 0 97.5 80 - 120 Surr: Dibromofluoromethane 49.12 0 50 0 98.2 80 - 119 Surr: Toluene-d8 49.69 0 50 0 99.4 81 - 118 MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val Value REC Control Limit RPD Ref RPD Ref RPD Ref RPD Ref RPD Limit Qual Benzene 251800 24000 245000 695.7 102 70 - 130 70 - 130 Ethylbenzene 265700 24000 245000 0 108 70 - 130 70 - 130 Sylenes, Total 787400 24000 735000 0 <t< td=""><td>Toluene</td><td></td><td>51.67</td><td>5.0</td><td>50</td><td>0</td><td>103</td><td>76 - 122</td><td></td><td></td></t<>	Toluene		51.67	5.0	50	0	103	76 - 122		
Surr: 4-Bromofluorobenzene 48.74 0 50 0 97.5 80 - 120 Surr: Dibromofluoromethane 49.12 0 50 0 98.2 80 - 119 Surr: Toluene-d8 49.69 0 50 0 99.4 81 - 118 MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyste Result PQL SPK Val Value %REC Control Limit RPD Ref Value RPD Ref Value <td>Xylenes, Total</td> <td></td> <td>160.1</td> <td>5.0</td> <td>150</td> <td>0</td> <td>107</td> <td>77 - 128</td> <td></td> <td></td>	Xylenes, Total		160.1	5.0	150	0	107	77 - 128		
Surr: Dibromofluoromethane 49.12 0 50 0 98.2 80 - 119 Surr: Toluene-d8 49.69 0 50 0 99.4 81 - 118 MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val Value %REC Control Limit RPD Ref RPD Ref RPD Ref RPD Ref RPD Ref Value %RPD Limit Qual Benzene 251800 24000 245000 695.7 102 70 - 130 70 - 130 Ethylbenzene 265700 24000 245000 0 108 70 - 130 70 - 130 Toluene 261400 24000 735000 0 107 70 - 130 70 - 130 Xylenes, Total 787400 245000 0 92.6 70 - 126 70 - 126 Surr: 4-Bromofluorobenzene 238500	Surr: 1,2-Dichlo	proethane-d4	43.83	0	50	0	87.7	76 - 125		
MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val SPK Ref Value Control Value RPD Ref RPD Rep Rep Rep Rep Rep Value RPD Ref Nature RPD Ref Nature RPD Limit Qual Benzene 251800 24000 245000 695.7 102 70 - 130 70 - 130 Ethylbenzene 265700 24000 245000 0 108 70 - 130 70 - 130 Toluene 261400 24000 735000 0 107 70 - 130 70 - 130 Xylenes, Total 787400 24000 735000 0 107 70 - 130 70 - 126 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 97.3 70 - 130 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700	Surr: 4-Bromofi	luorobenzene	48.74	0	50	0	97.5	80 - 120		
MS Sample ID: HS20011124-01MS Units: ug/Kg Analysis Date: 30-Jan-2020 10:57 Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val SPK Ref Value RPD Ref Value RPD Ref RPD Ref Value RPD Limit Qual Benzene 251800 24000 245000 695.7 102 70 - 130 Ethylbenzene 265700 24000 245000 0 108 70 - 130 Toluene 261400 24000 245000 1423 106 70 - 130 Xylenes, Total 787400 24000 735000 0 107 70 - 130 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.3 70 - 130	Surr: Dibromofl	uoromethane	49.12	0	50	0	98.2	80 - 119		
Client ID: Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val Value %REC Control Limit RPD Ref Value RPD Left Value RPD Ref Value	Surr: Toluene-d	18	49.69	0	50	0	99.4	81 - 118		
Run ID: VOA8_355335 SeqNo: 5453396 PrepDate: DF: 5000 Analyte Result PQL SPK Val Value WREC Control RPD Ref Value WRPD Limit Qual Benzene 251800 24000 245000 695.7 102 70 - 130 Ethylbenzene 265700 24000 245000 0 108 70 - 130 Toluene 261400 24000 245000 1423 106 70 - 130 Xylenes, Total 787400 24000 735000 0 107 70 - 130 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130 Toluene 239700 0 245000 0 97.8 70 - 130	MS	Sample ID:	HS20011124-01MS		Units:	ug/Kg	Ana	alysis Date:	30-Jan-2020	10:57
Result PQL SPK Val Value %REC Control RPD Ref Value %RPD Limit Qual Result PQL SPK Val Value %REC Control RPD Ref RPD Ref RPD Limit Qual Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual PQL RPD Limit Qual PQL RPD Ref Ref RPD Ref RPD Ref	Client ID:	·	Run ID	: VOA			5453396	PrepDate:		DF: 5000
Ethylbenzene 265700 24000 245000 0 108 70 - 130 Toluene 261400 24000 245000 1423 106 70 - 130 Xylenes, Total 787400 24000 735000 0 107 70 - 130 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Analyte					SPK Ref				RPD
Toluene 261400 24000 245000 1423 106 70 - 130 Xylenes, Total 787400 24000 735000 0 107 70 - 130 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Benzene		251800	24000	245000	695.7	102	70 - 130		
Xylenes, Total 787400 24000 735000 0 107 70 - 130 Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Ethylbenzene		265700	24000	245000	0	108	70 - 130		
Surr: 1,2-Dichloroethane-d4 227000 0 245000 0 92.6 70 - 126 Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Toluene		261400	24000	245000	1423	106	70 - 130		
Surr: 4-Bromofluorobenzene 238500 0 245000 0 97.3 70 - 130 Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Xylenes, Total		787400	24000	735000	0	107	70 - 130		
Surr: Dibromofluoromethane 239700 0 245000 0 97.8 70 - 130	Surr: 1,2-Dichlo	proethane-d4	227000	0	245000	0	92.6	70 - 126		
	Surr: 4-Bromofi	luorobenzene	238500	0	245000	0	97.3	70 - 130		
Surr: Toluene-d8 237600 0 245000 0 97.0 70 - 130	Surr: Dibromofl	uoromethane	239700	0	245000	0	97.8	70 - 130		
	Surr: Toluene-c	18	237600	0	245000	0	97.0	70 - 130		

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R355335 (0)	Ins	Instrument: VOA8 Method: VOLATILES BY SW8260C								
MSD Sam	ple ID:	HS20011124-01N	ISD	Units: (ug/Kg	Ana	alysis Date:	30-Jan-2020	11:22		
Client ID:		F	Run ID: VOA	\8_355335	SeqNo: 5	453397	PrepDate:		DF: 5	000	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD Li	PD mit G	≀ual
Benzene		343400	24000	245000	695.7	140	70 - 130	251800	30.8	30	SR
Ethylbenzene		365000	24000	245000	0	149	70 - 130	265700	31.5	30	SR
Toluene		357000	24000	245000	1423	145	70 - 130	261400	30.9	30	SR
Xylenes, Total		1105000	24000	735000	0	150	70 - 130	787400	33.6	30	SR
Surr: 1,2-Dichloroethane	-d4	209300	0	245000	0	85.4	70 - 126	227000	8.07	30	
Surr: 4-Bromofluorobenz	ene	241700	0	245000	0	98.7	70 - 130	238500	1.35	30	
Surr: Dibromofluorometh	ane	231300	0	245000	0	94.4	70 - 130	239700	3.57	30	
Surr: Toluene-d8		236700	0	245000	0	96.6	70 - 130	237600	0.366	30	
The following samples were	e analyze		0011164-02	HS20011164	-07	HS200111	64-08	HS20011164	-09		

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R355354 (0)	Instrume	nt: V	OA5	М	ethod: V	OLATILES	BY SW82600	;
MBLK Sample ID:	VBLKS1-013020		Units:	ug/Kg	Ana	alysis Date:	30-Jan-2020	10:42
Client ID:	Run ID:	VOA5	_355354	SeqNo: 5	453355	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	< 5.0	5.0						
Ethylbenzene	< 5.0	5.0						
Toluene	< 5.0	5.0						
Xylenes, Total	< 5.0	5.0						
Surr: 1,2-Dichloroethane-d4	43.94	0	50	0	87.9	76 - 125		
Surr: 4-Bromofluorobenzene	48.4	0	50	0	96.8	80 - 120		
Surr: Dibromofluoromethane	46.25	0	50	0	92.5	80 - 119		
Surr: Toluene-d8	51.08	0	50	0	102	81 - 118		
LCS Sample ID:	VLCSS1-013020		Units:	ug/Kg	Ana	alysis Date:	30-Jan-2020	09:52
Client ID:	Run ID:	VOA5	_355354	SeqNo: 5	453354	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Benzene	51.97	5.0	50	0	104	75 - 124		
Ethylbenzene	56.16	5.0	50	0	112	70 - 123		
Toluene	51.9	5.0	50	0	104	76 - 122		
Xylenes, Total	148.9	5.0	150	0	99.3	77 - 128		
Surr: 1,2-Dichloroethane-d4	49.49	0	50	0	99.0	76 - 125		
Surr: 4-Bromofluorobenzene	50.24	0	50	0	100	80 - 120		
Surr: Dibromofluoromethane	50.05	0	50	0	100	80 - 119		
Surr: Toluene-d8	50.24	0	50	0	100	81 - 118		
MS Sample ID:	HS20011182-06MS		Units:	ug/Kg	Ana	alvsis Date	30-Jan-2020	12:46
Client ID:		VOA5	_355354	SeqNo: 5		PrepDate:		DF: 1
Olione ID.				SPK Ref		Control	RPD Ref	RPD
Analyte	Result	PQL	SPK Val	Value	%REC	Limit	Value	%RPD Limit Qual
Benzene	53.41	5.2	52.5	13.55	75.9	70 - 130		
Ethylbenzene	64.34	5.2	52.5	32.33	61.0	70 - 130		;
Toluene	38.5	5.2	52.5	1.217	71.0	70 - 130		
Xylenes, Total	109.7	5.2	157.5	16.19	59.4	70 - 130		;
Surr: 1,2-Dichloroethane-d4	53.06	0	52.5	0	101	70 - 126		
Surr: 4-Bromofluorobenzene	56.68	0	52.5	0	108	70 - 130		
Surr: Dibromofluoromethane	52.62	0	52.5	0	100	70 - 130		
Surr: Toluene-d8	58.93	0	52.5	0	112	70 - 130		

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R3	55354 (0)	Instrum	nent: V	/OA5	Method: VOLATILES BY SW8260C						
MSD	Sample ID:	HS20011182-06MSD		Units: u	g/Kg	Ana	lysis Date:	30-Jan-2020	13:11		
Client ID:		Run I	D: VOA5	_355354	SeqNo: 5	454598	PrepDate:		DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD L	PD imit C	⊋ual
Benzene		48.59	5.0	50	13.55	70.1	70 - 130	53.41	9.45	30	
Ethylbenzene		54.88	5.0	50	32.33	45.1	70 - 130	64.34	15.9	30	S
Toluene		38.5	5.0	50	1.217	74.6	70 - 130	38.5	0.00174	30	
Xylenes, Total		101.8	5.0	150	16.19	57.1	70 - 130	109.7	7.44	30	S
Surr: 1,2-Dichlo	proethane-d4	50.23	0	50	0	100	70 - 126	53.06	5.49	30	
Surr: 4-Bromofl	luorobenzene	52.76	0	50	0	106	70 - 130	56.68	7.16	30	
Surr: Dibromofl	luoromethane	50.14	0	50	0	100	70 - 130	52.62	4.84	30	
Surr: Toluene-d	18	52.92	0	50	0	106	70 - 130	58.93	10.7	30	
The following san	nples were analyze	ed in this batch: HS20011 HS20011		HS20011164- HS20011164-		HS200111 HS200111		HS20011164- HS20011164-			

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R355575 (0)	Instrume	ent:	VOA8	М	ethod: V	OLATILES	BY SW82600	;
MBLK Sample ID:	MBLKW1-020420		Units:	ug/Kg	Ana	alysis Date:	04-Feb-2020	09:06
Client ID:	Run ID	: VOA	3_355575	SeqNo: 5	457960	PrepDate:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	< 250	250						
Ethylbenzene	< 250	250						
Toluene	< 250	250						
Xylenes, Total	< 250	250						
Surr: 1,2-Dichloroethane-d4	2445	0	2500	0	97.8	76 - 125		
Surr: 4-Bromofluorobenzene	2510	0	2500	0	100	80 - 120		
Surr: Dibromofluoromethane	2375	0	2500	0	95.0	80 - 119		
Surr: Toluene-d8	2515	0	2500	0	101	81 - 118		
LCS Sample ID:	VLCSW1-020420		Units:	ug/Kg	Ana	alysis Date:	04-Feb-2020	08:16
Client ID:	Run ID	: VOA	3_355575	SeqNo: 5	457959	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	44.29	5.0	50	0	88.6	75 - 124		
Ethylbenzene	45.32	5.0	50	0	90.6	70 - 123		
Toluene	44.84	5.0	50	0	89.7	76 - 122		
Xylenes, Total	135.4	5.0	150	0	90.3	77 - 128		
Surr: 1,2-Dichloroethane-d4	49.47	0	50	0	98.9	76 - 125		
Surr: 4-Bromofluorobenzene	48.35	0	50	0	96.7	80 - 120		
Surr: Dibromofluoromethane	51.16	0	50	0	102	80 - 119		
Surr: Toluene-d8	49.63	0	50	0	99.3	81 - 118		
MS Sample ID:	HS20011164-11MS		Units:	ug/Kg	Ana	alysis Date:	04-Feb-2020	11:36
Client ID: TP-4a-6'	Run ID	: VOA	3_355575	SeqNo: 5	458684	PrepDate:		DF: 1000
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	58160	5000	50000	144.2	116	70 - 130		
Ethylbenzene	64740	5000	50000	4656	120	70 - 130		
Toluene	60090	5000	50000	413.7	119	70 - 130		
Xylenes, Total	186000	5000	150000	8364	118	70 - 130		
Surr: 1,2-Dichloroethane-d4	49950	0	50000	0	99.9	70 - 126		
Surr: 4-Bromofluorobenzene	49490	0	50000	0	99.0	70 - 130		
Surr: Dibromofluoromethane	50890	0	50000	0	102	70 - 130		
Surr: Toluene-d8	50730	0	50000	0	101	70 - 130		

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R355575 (0)	Instrun	nent: V	/OA8	Me	ethod: V	OLATILES	BY SW8260C		
MSD Sample ID:	HS20011164-11MSD		Units: u	g/Kg	Ana	llysis Date:	04-Feb-2020	12:01	
Client ID: TP-4a-6'	Run I	D: VOA8	_355575	SeqNo: 5	458685	PrepDate:		DF: 1	000
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD Li	PD mit Qual
Benzene	59750	5000	50000	144.2	119	70 - 130	58160	2.7	30
Ethylbenzene	67420	5000	50000	4656	126	70 - 130	64740	4.05	30
Toluene	62110	5000	50000	413.7	123	70 - 130	60090	3.3	30
Xylenes, Total	195300	5000	150000	8364	125	70 - 130	186000	4.84	30
Surr: 1,2-Dichloroethane-d4	47920	0	50000	0	95.8	70 - 126	49950	4.15	30
Surr: 4-Bromofluorobenzene	52090	0	50000	0	104	70 - 130	49490	5.11	30
Surr: Dibromofluoromethane	49800	0	50000	0	99.6	70 - 130	50890	2.16	30
Surr: Toluene-d8	49780	0	50000	0	99.6	70 - 130	50730	1.89	30
The following samples were analyze	d in this batch: HS20011	164-11	HS20011164-	13 I	HS2001110	64-14	HS20011164-	15	

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R355596 (0)	Inst	rument: \	/OA6	Me	ethod: V	OLATILES	- SW8260C	
MBLK Sample ID:	VBLKW-200203		Units:	ug/L	Ana	alysis Date:	03-Feb-2020	12:41
Client ID:	R	un ID: VOA6	_355596	SeqNo: 5	458368	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	< 5.0	5.0						
Ethylbenzene	< 5.0	5.0						
m,p-Xylene	< 10	10						
o-Xylene	< 5.0	5.0						
Toluene	< 5.0	5.0						
Xylenes, Total	< 5.0	5.0						
Surr: 1,2-Dichloroethane-d4	47.16	0	50	0	94.3	70 - 130		
Surr: 4-Bromofluorobenzene	51.01	0	50	0	102	82 - 115		
Surr: Dibromofluoromethane	48.5	0	50	0	97.0	73 - 126		
Surr: Toluene-d8	54.55	0	50	0	109	81 - 120		
LCS Sample ID:	VLCSW-200203		Units:	ug/L	Ana	alysis Date:	03-Feb-2020	11:53
Client ID:	R	un ID: VOA6	_355596	SeqNo: 5	458367	PrepDate:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Benzene	20.3	5.0	20	0	102	74 - 120		
Ethylbenzene	20.59	5.0	20	0	103	77 - 117		
m,p-Xylene	40.16	10	40	0	100	77 - 122		
o-Xylene	20.57	5.0	20	0	103	75 - 119		
Toluene	20.71	5.0	20	0	104	77 - 118		
Xylenes, Total	60.73	5.0	60	0	101	75 - 122		
Surr: 1,2-Dichloroethane-d4	52.68	0	50	0	105	70 - 130		
Surr: 4-Bromofluorobenzene	52.15	0	50	0	104	82 - 115		
Surr: Dibromofluoromethane	52.99	0	50	0	106	73 - 126		
Surr: Toluene-d8	52	0	50	0	104	81 - 120		

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID: R355596 (0) Instrument: VOA6 Method: VOLATILES - SW8260C									
MS Sample ID:	HS20020034-01MS		Units:	ug/L	Ana	alysis Date:	03-Feb-2020	15:30	
Client ID:	Run ID:	VOA	355596	SeqNo: 5	458375	PrepDate:		DF: 1	l
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD L	PD imit Qua
Benzene	25.48	5.0	20	6.729	93.8	70 - 127			
Ethylbenzene	21.67	5.0	20	0.9191	104	70 - 124			
m,p-Xylene	45.22	10	40	4.433	102	70 - 130			
o-Xylene	23.02	5.0	20	2.647	102	70 - 124			
Toluene	21.75	5.0	20	1.475	101	70 - 123			
Xylenes, Total	68.25	5.0	60	7.08	102	70 - 130			
Surr: 1,2-Dichloroethane-d4	47.7	0	50	0	95.4	70 - 126			
Surr: 4-Bromofluorobenzene	51.43	0	50	0	103	82 - 124			
Surr: Dibromofluoromethane	49.28	0	50	0	98.6	77 - 123			
Surr: Toluene-d8	54.48	0	50	0	109	82 - 127			
MSD Sample ID:	HS20020034-01MSD		Units:	ug/L	Ana	alysis Date:	03-Feb-2020	15:54	
Client ID:	Run ID:	VOA	355596	SeqNo: 5	458376	PrepDate:		DF: 1	l
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	R %RPD L	PD imit Qua
Benzene	24.66	5.0	20	6.729	89.7	70 - 127	25.48	3.27	20
Ethylbenzene	21.36	5.0	20	0.9191	102	70 - 124	21.67	1.46	20
m,p-Xylene	45.47	10	40	4.433	103	70 - 130	45.22	0.553	20
o-Xylene	23.46	5.0	20	2.647	104	70 - 124	23.02	1.85	20
Toluene	21.5	5.0	20	1.475	100	70 - 123	21.75	1.14	20
Xylenes, Total	68.93	5.0	60	7.08	103	70 - 130	68.25	0.994	20
	47.3	0	50	0	94.6	70 - 126	47.7	0.834	20
Surr: 1,2-Dichloroethane-d4						00 404	F4 40		20
Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	51.45	0	50	0	103	82 - 124	51.43	0.0365	20
<u> </u>	51.45 48.11	0	50 50	0	103 96.2	82 - 12 4 77 - 123	51.43 49.28		20
Surr: 4-Bromofluorobenzene			-	•					20

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

Batch ID:	150165 (0)	Instrume	nt: ICS	2100	Me	ethod: A	NIONS BY	E300.0	
MBLK Client ID:	Sample ID:	MBLK-150165 Run ID:	ICS2100		mg/Kg SeqNo: 5		PrepDate:	31-Jan-2020 30-Jan-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Chloride		< 5.00	5.00						
LCS	Sample ID:	LCS-150165		Units:	mg/Kg	Ana	llysis Date:	31-Jan-2020	12:26
Client ID:		Run ID:	ICS2100	_355560	SeqNo: 5	457413	PrepDate:	30-Jan-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Chloride		204.4	5.00	200	0	102	90 - 110		
LCSD	Sample ID:	LCSD-150165		l Inite	mg/Kg	Δna	ilveis Date	31-Jan-2020	12:40
Client ID:	cample ib.		ICS2100				-	30-Jan-2020	
Client ID.		Kuli ID.	1032100	_333360	SPK Ref	457414	Control		RPD
Analyte		Result	PQL	SPK Val	Value	%REC	Limit		%RPD Limit Qual
Chloride		205	5.00	200	0	102	90 - 110	204.4	0.293 20
MS	Sample ID:	HS20011314-01MS		Units:	mg/Kg	Ana	ılvsis Date:	31-Jan-2020	18:18
Client ID:	•	Run ID:	ICS2100				-	30-Jan-2020	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref	RPD %RPD Limit Qual
Chloride		106.8	4.85	97.08	2.816	107	75 - 125		
MS	Sample ID:	HS20011164-01MS		Units:	mg/Kg	Ana	ılysis Date:	04-Feb-2020	00:48
Client ID:	TP-1-Surface	Run ID:	ICS2100	_355560	SeqNo: 5	458125	PrepDate:	30-Jan-2020	DF: 10
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Chloride		1203	48.4	96.86	1139	66.1	75 - 125		S
MSD	Sample ID:	HS20011314-01MSD		Units:	mg/Kg	Ana	ılysis Date:	31-Jan-2020	18:33
Client ID:			ICS2100		SeqNo: 5		-	30-Jan-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref	RPD %RPD Limit Qual
Chloride		107.2	4.91	98.24	2.816	106	75 - 125	106.8	0.363 20

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

HS20011164

Batch ID:	150165 (0)	Instrumer	Instrument: ICS2100			Method:	ANIONS BY	E300.0		
MSD	Sample ID:	HS20011164-01MSD		Units:	mg/Kg	An	alysis Date:	04-Feb-2020	01:02	
Client ID:	TP-1-Surface	Run ID:	ICS2	2100_355560	SeqNo	: 5458126	PrepDate:	30-Jan-2020	DF: 1	0
Analyte		Result	PQL	SPK Val	SPK Re Value	f %REC	Control Limit		R %RPD Li	PD mit Qual
Chloride		1145	49.8	99.69	1139	9 5.25	75 - 125	1203	5.01	20 SO
The following	g samples were analyze	ed in this batch: HS20011164 HS20011164	1-05	HS2001116 HS2001116	4-06	HS200111 HS200111	64-07	HS20011164-0	08	
		HS20011164 HS20011164		HS2001116	4-16	HS200111	64-18	HS20011164-1	19	

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

HS20011164

Batch ID:	150257 (0)	Instrume	nt: ICS	2100	Me	ethod: A	NIONS BY	E300.0	
MBLK Client ID:	Sample ID:	MBLK-150257 Run ID:	ICS2100		mg/Kg SeqNo: 5		PrepDate:	04-Feb-2020 04-Feb-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Chloride		< 5.00	5.00						
LCS	Sample ID:	LCS-150257		Units:	mg/Kg	Ana	lysis Date:	04-Feb-2020	18:53
Client ID:		Run ID:	ICS2100	_355719	SeqNo: 5	460828	PrepDate:	04-Feb-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Chloride		205.5	5.00	200	0	103	90 - 110		
LCSD	Sample ID:	LCSD-150257		Units:	mg/Kg	Ana	ilvsis Date	04-Feb-2020	19:08
Client ID:	cample ib.		ICS2100				-	04-Feb-2020	
Ciletti ID.		Kuli ID.	1032100	_333719	SPK Ref	400029	Control		RPD
Analyte		Result	PQL	SPK Val	Value	%REC	Limit		%RPD Limit Qual
Chloride		205.8	5.00	200	0	103	90 - 110	205.5	0.146 20
MS	Sample ID:	HS20011523-02MS		Units:	mg/Kg	Ana	ılvsis Date:	05-Feb-2020	01:44
Client ID:	•	Run ID:	ICS2100				-	04-Feb-2020	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref	RPD %RPD Limit Qual
Chloride		168.4	4.91	98.25	63.73	107	75 - 125		
MS	Sample ID:	HS20011164-14MS		Units:	mg/Kg	Ana	llysis Date:	04-Feb-2020	20:07
Client ID:	TP-4b-8'	Run ID:	ICS2100	355719	SeqNo: 5	460833	PrepDate:	04-Feb-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit		RPD %RPD Limit Qual
Chloride		371.7	4.92	98.38	274.3	99.0	75 - 125		
MSD	Sample ID:	HS20011523-02MSD		Units:	mg/Kg	Ana	ılysis Date:	05-Feb-2020	01:59
Client ID:	•		ICS2100		SeqNo: 5	460861	PrepDate:	04-Feb-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref	RPD %RPD Limit Qual
Chloride		165.8	4.78	95.63	63.73	107	75 - 125	168.4	1.51 20

HS20011164-15

HS20011164-14

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

HS20011164

The following samples were analyzed in this batch: [HS20011164-11

Batch ID:	150257 (0)	Instrumen	t:	ICS2100	M	lethod: A	NIONS BY	E300.0	
MSD	Sample ID:	HS20011164-14MSD		Units:	mg/Kg	Ana	alysis Date:	04-Feb-2020	20:21
Client ID:	TP-4b-8'	Run ID:	ICS	2100_355719	SeqNo:	5460834	PrepDate:	04-Feb-2020	DF: 1
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD Limit Qual
Chloride		380.2	4.93	98.69	274.3	107	75 - 125	371.7	2.25 20

HS20011164-13

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

HS20011164

Batch ID: R355	i436 (0)		Instrum	ent:	Balance1	ľ	Method: I	MOISTURE		
DUP	Sample ID:	HS20011248-	04DUP		Units:	wt%	An	alysis Date:	30-Jan-2020	11:12
Client ID:			Run II): Bala	nce1_355436	SeqNo:	5455140	PrepDate:		DF: 1
Analyte		Resu	ult	PQL	SPK Val	SPK Ref Value	f %REC	Control Limit		RPD %RPD Limit Qual
Percent Moisture			14	0.0100					14.3	2.12 20
The following samp	oles were analyze	d in this batch:	HS200111	64-01	HS2001116	54-02	HS200111	64-03	HS20011164-	04
			HS200111 HS200111		HS2001116 HS2001116		HS200111 HS200111		HS20011164- HS20011164-	
			HS200111		1132001110	7 1 -10	115200111	.UT-10	11520011104-	1)

ALS Houston, US Date: 06-Feb-20

Client:

TRC Corporation

Project:

Artesia Station West

WorkOrder:

HS20011164

Batch ID:	R355785 (0)	Instrumen	t: Balance1	Method:	MOISTURE		
DUP	Sample ID:	HS20011092-01DUP	Units:	wt% Ar	nalysis Date:	05-Feb-2020	11:36
Client ID:		Run ID:	Balance1_355785	SeqNo: 5462253	PrepDate:		DF: 1

SPK Ref Control RPD Ref RPD
Analyte Result PQL SPK Val Value %REC Limit Value %RPD Limit Qual

Percent Moisture 17 0.0100 18.3 7.37 20

The following samples were analyzed in this batch: HS20011164-11

ALS Houston, US Date: 06-Feb-20

TRC Corporation Client: QUALIFIERS,

Project: Artesia Station West **ACRONYMS, UNITS**

WorkOrder: HS20011164

Qualifier	Description
*	Value exceeds Regulatory Limit
а	Not accredited
В	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
Н	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
0	Sample amount is > 4 times amount spiked
Р	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL
Acronym	Description
DCS	Detectability Check Study

DCS	Detectability Check Study
DUS	Detectability Check Study

DUP Method Duplicate

LCS Laboratory Control Sample

Laboratory Control Sample Duplicate LCSD

MBLK Method Blank

Method Detection Limit MDL MQL Method Quantitation Limit

MS Matrix Spike

Matrix Spike Duplicate MSD PDS Post Digestion Spike Practical Quantitaion Limit PQL

SD Serial Dilution

SDL Sample Detection Limit

TRRP Texas Risk Reduction Program

Unit Reported Description

Milligrams per Kilogram- Dry weight corrected mg/Kg-dry

mg/L Milligrams per Liter

wt%

ALS Houston, US Date: 06-Feb-20

CERTIFICATIONS, ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	19-028-0	27-Mar-2020
California	2919, 2019-2020	30-Apr-2020
Dept of Defense	ANAB L2231 V009	22-Dec-2021
Florida	E87611-28	30-Jun-2020
Illinois	2000322019-2	09-May-2020
Kansas	E-10352 2019-2020	31-Jul-2020
Kentucky	123043, 2019-2020	30-Apr-2020
Louisiana	03087, 2019-2020	30-Jun-2020
Maryland	343, 2019-2020	30-Jun-2020
North Carolina	624-2020	31-Dec-2020
North Dakota	R-193 2019-2020	30-Apr-2020
Oklahoma	2019-067	31-Aug-2020
Texas	T104704231-19-25	30-Apr-2020

ALS Houston, US Date: 06-Feb-20

Client: TRC Corporation

Project: Artesia Station West

Work Order: HS20011164

SAMPLE TRACKING

Lab Samp ID	Client Sample ID	Action	Date	Person	New Location
HS20011164-01	TP-1-Surface	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-01	TP-1-Surface	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-02	TP-1-6'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-02	TP-1-6'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-03	TP-1-12'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-03	TP-1-12'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-04	TP-2-Surface	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-04	TP-2-Surface	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-05	TP-2-10'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-05	TP-2-10'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-06	TP-2-12'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-06	TP-2-12'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-07	TP-3-Surface	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-07	TP-3-Surface	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-08	TP-3-6'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-08	TP-3-6'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-09	TP-3-12'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-09	TP-3-12'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-11	TP-4a-6'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-11	TP-4a-6'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-13	TP-4b-2'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-13	TP-4b-2'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-14	TP-4b-8'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-14	TP-4b-8'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-15	TP-4b-10'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-15	TP-4b-10'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-16	TP-4C-Surface	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-16	TP-4C-Surface	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-18	TP-4c-12'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-18	TP-4c-12'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-19	TP-5-Surface	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-19	TP-5-Surface	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-20	TP-5-10'	Login	1/24/2020 8:00:03 PM	NDR	VOA030
HS20011164-20	TP-5-10'	Login	1/24/2020 8:00:03 PM	NDR	SPA105
HS20011164-21	TB-CG-121719-220	Login	1/24/2020 8:00:03 PM	NDR	VOA002
HS20011164-22	TB-CG-121719-217	Login	1/24/2020 8:00:03 PM	NDR	VOA002

ALS Houston, US Date: 06-Feb-20 Sample Receipt Checklist Client Name: **TRC-AUS** Date/Time Received: 24-Jan-2020 08:50 Work Order: HS20011164 <u>AC</u> Received by: Checklist completed by: Reviewed by: Nilesh D. Ranchod 24-Jan-2020 eSignature Date eSignature Date Matrices: <u>Soil</u> Carrier name: FedEx Priority Overnight Not Present Shipping container/cooler in good condition? Yes No Not Present Custody seals intact on shipping container/cooler? Yes No Not Present Custody seals intact on sample bottles? Yes No Not Present VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes No 2 Page(s) Chain of custody present? Yes No COC IDs:214341/214340 Chain of custody signed when relinquished and received? Yes No Yes No Samplers name present on COC? No Yes Chain of custody agrees with sample labels? Yes No Samples in proper container/bottle? Yes No Sample containers intact? Yes No Sufficient sample volume for indicated test? Yes No All samples received within holding time? Yes 🗸 No Container/Temp Blank temperature in compliance? Temperature(s)/Thermometer(s): 2.1C/2.1C, 3.0C/3.0C UC/C IR # 25 44965/45055 Cooler(s)/Kit(s): Date/Time sample(s) sent to storage: 01/24/2020 19:00 Yes Water - VOA vials have zero headspace? No VOA vials submitted No Water - pH acceptable upon receipt? Yes No N/A ~ pH adjusted? N/A Yes No pH adjusted by: Login Notes: Trip Blanks rec'd not on COC Logged in on Hold Date Contacted: Person Contacted: Client Contacted: Contacted By: Regarding: Comments: Corrective Action:



+1 513 733 5336 Everett, WA

+1 425 356 2600

Fort Collins, CO +1 970 490 1511 Hofland, MI

+1 616 399 6070

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TRC Corporation Artesia Station Wes:

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Company Name	TRC Corporation	Bill To Company	376574 Phase		В	300_S (Chloride)						
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e-Mail Address	RVamell@trccompanies.com	e-Mail Address		al@trcsolutions.com								
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Page ____of _ COC ID: 214340 HS20011164

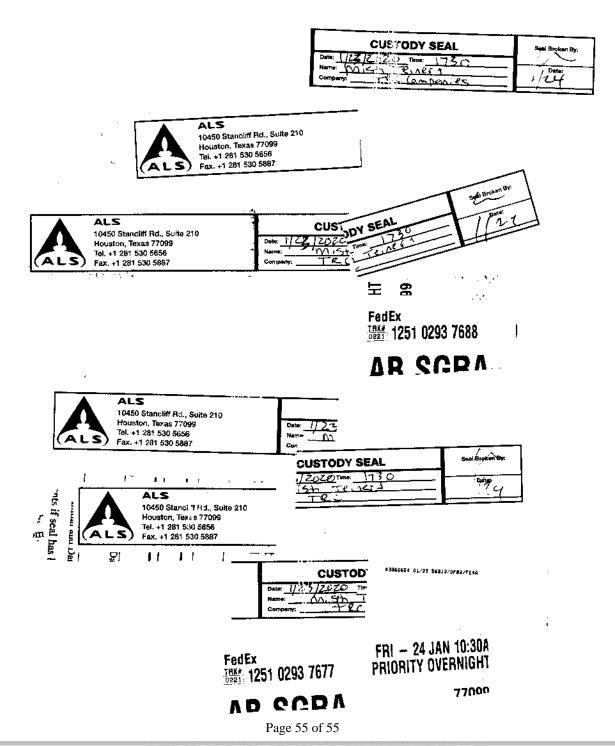
TRC Corporation Artesia Station West

i, WV

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Appendix D: References



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