REMEDIATION SUMMARY AND SITE CLOSURE REQUEST

Hobbs Station LACT 571 Release
Latitude 32.652725, Longitude -103.139583
Lea County, New Mexico
NMOCD No. nAPP2135653210

July 15, 2022

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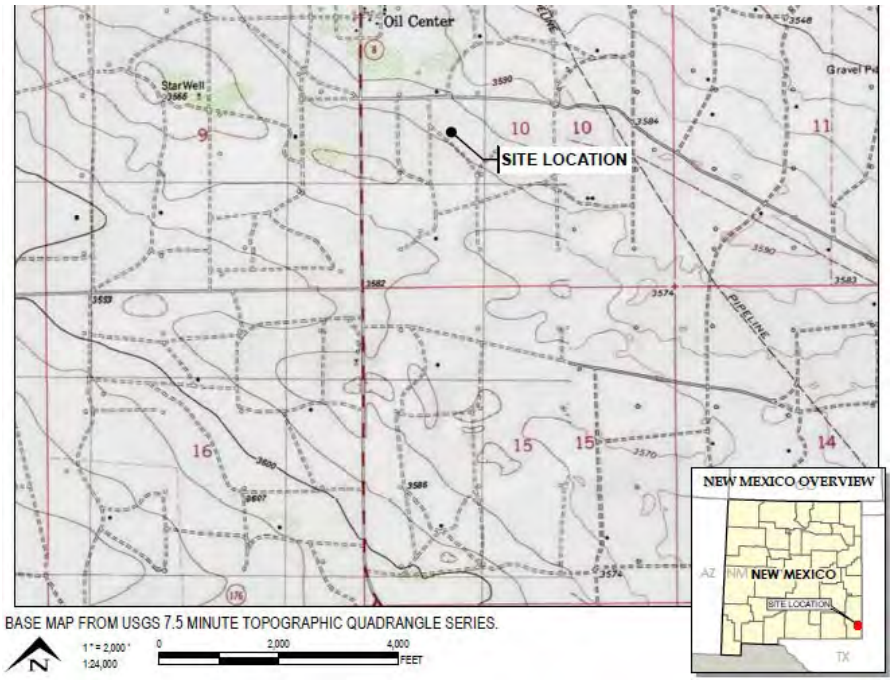

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC), on behalf of Holly Energy Partners – Operating, L.P. (HEP), has prepared this *Remediation Summary and Site Closure Request* for a crude oil release at the Hobbs Station LACT 571 (site), located in Unit Letter C, Section 22, Township 19 South, Range 38 East, Lea County, New Mexico. The site is utilized by crude oil haulers to input crude oil into the HEP crude system. The surface is privately owned by Enterprise Products. The global positioning system (GPS) coordinates for the release point, which is the approximate center of the affected soil footprint, are latitude 32.652725, longitude -103.139583. The area surrounding the site is industrial and used for oil and gas transportation and storage activities. The location of the site is depicted on Figure 1.

2.0 BACKGROUND

On December 20, 2021, a crude oil release was discovered at the site at the above-referenced GPS coordinates. Two crude oil tanks (tank 1046 and 1045) were located within an earthen berm. The release occurred when crude oil tank 1046 was over filled and over-flowed from the top hatch. The release was entirely confined to within the earthen containment berm. Tanks 1045 and 1046 were taken out of service and removed from the site after the release. Initial verbal notification of the release was provided to the answering service at the New Mexico Oil Conservation Division (NMOCD) by Trevor Baird, P.E. of HEP on December 20, 2021. The Release Notification and Corrective Action Form (Form C-141) was submitted to NMOCD on January 4, 2022. An updated and signed Form C-141 is included in Appendix A. Approximately 71 barrels (bbls) of crude oil was released. A vacuum truck was dispatched in response to the release, and approximately 65 bbls of crude oil were recovered during initial response activities and returned to the nearest HEP facility vessel. The NMOCD assigned the release tracking number nAPP2135653210.

The release location relative to nearby wells, wetlands and floodplains, and karst potential are depicted in Figures 2 through 4, respectively. The affected soil footprint (Release Area) is approximately 2,500 square feet and is shown on Figure 5.

Immediately after the release, between December 20 and 21, 2021, HEP excavated the upper 0.5 feet of affected soil throughout the Release Area based on visual observations of crude oil-stained soil. Approximately 50 cubic yards (cy) of affected soil were excavated and stockpiled at the site on plastic sheeting pending waste characterization and disposal.

On March 3, 2022, following the removal of tank 1045, delineation activities were conducted to assess the extent of remaining affected soil within the Release Area (tank 1046 was removed following delineation activities but before excavation activities). Based on the results of the delineation activities, soil excavation activities were conducted in May and June 2022. The March 2022 delineation activities and results are discussed in Section 4.1 and the May and June 2022 excavation activities and results are discussed in Section 4.2.

TRC notified the NMOCD (Mr. Mike Bratcher) via email on March 18, 2022, that delineation and excavation of affected soil would be conducted and requested a 60-day extension (i.e., to May 20, 2022) to submit a closure report. The extension was requested due to a delay in removing tanks 1045 and 1046 from the Site, which was required to allow for safe completion of delineation and excavation activities. NMOCD (Mr. Mike Bratcher) approved the extension request via e-mail on March 22, 2022. TRC provided an update of the completed March 2022 delineation activities to NMOCD (Mr. Mike Bratcher) via e-mail on May 20, 2022, and requested a 60-day extension (i.e., to July 21, 2022) to complete excavation activities and submit the closure report. The extension was requested due to a delay caused by the presence of several unmarked lines in the excavation area. TRC submitted follow-up e-mails to NMOCD (Mr. Mike Bratcher) on June 8 and 29, 2022, requesting approval of the May 20, 2022, extension request; NMOCD has not responded to the May 20, 2022, extension request to date. Copies of NMOCD communications are provided in Appendix B.

3.0 NMOCD CLOSURE CRITERIA

Cleanup standards for crude oil releases are provided in 19.15.29 New Mexico Administrative Code (NMAC). The cleanup standards (described in the rule as “Closure Criteria”) are based primarily on depth to groundwater but are also based on other criteria such as distance to the nearest surface water body or wetland, karst potential, distance to nearest flood-plain, or whether the site is located within incorporated municipal boundaries or a defined freshwater field.

Review of the New Mexico Office of the State Engineer (NMOSE) records indicated 32 water wells have been drilled and completed within 0.5 mile of the site, as depicted on Figure 2. The shallowest recorded depth to groundwater of these wells is 15 feet below ground surface (bgs) in irrigation well L-03198, located 0.35 mile to the north-northeast of the site. In total there are 10 wells within 0.5 mile of the site with a recorded depth to groundwater of 50 feet bgs or less. This demonstrates that the depth to groundwater beneath the site is likely less than 50 feet bgs.

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated 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 a “low karst potential” area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the site is located outside of a 100-year floodplain. Figure 3 depicts the wetlands and FEMA floodplain information while Figure 4 depicts the karst potential data.

Since depth to groundwater at the site is likely less than 50 feet bgs; the site is not within a municipal freshwater well field; is not within or near a wetland; is not within a 100-year floodplain; is in a low karst potential area; and is not close to a waterway, spring, permanent residence, church, school, hospital, or domestic water well, the Closure Criteria applicable for the site are for depth to groundwater less than 50 feet bgs as summarized in the table below.

NMOCD Closure Criteria

Constituent of Concern		Closure Criteria Based on Depth to Groundwater (mg/kg)		
		≤ 50 feet bgs	51 to 100 feet bgs	> 100 feet bgs
Chloride (EPA 300)		600	10,000	20,000
TPH (EPA 8015M)	GRO + DRO + MRO	100	2,500	2,500
	GRO + DRO	NA	1,000	1,000
Total BTEX (EPA 8021 or 8260)		50	50	50
Benzene (EPA 8021 or 8260)		10	10	10

Notes: mg/kg = milligrams per kilogram
bgs = below ground surface
TPH = total petroleum hydrocarbons
GRO = gasoline range organics
DRO = diesel range organics
MRO = motor oil range organics
NA = not applicable
BTEX = benzene, toluene, ethylbenzene, and total xylenes
EPA = Environmental Protection Agency
Green Highlighting = Closure Criteria applicable to the site

4.0 DELINEATION AND REMEDIATION ACTIVITIES

Initial excavation of the Release Area to a depth of 0.5 foot bgs was conducted in December 2021 immediately following the release and is summarized in Section 2.0. Delineation, remediation, disposal, backfilling, and restoration activities performed at the site from March to June 2022 are summarized below and are further described in Sections 4.1 through 4.4.

- On March 3, 2022, four test trenches (TT-1, TT-2, TT-3, and TT-4) were advanced to assess the vertical extent of affected soil. March 2022 delineation activities are further described below in Section 4.1.
- From May 3 through June 13, 2022, additional excavation was performed within the Release Area and confirmation soil samples were collected from the excavation bottom and sidewalls. The lateral extent of the excavation was extended as needed until the sum of total petroleum hydrocarbons (TPH) gasoline, diesel, and motor oil-range organics (i.e., total TPH) concentrations in confirmation samples were below Closure Criterion (benzene; the sum of benzene, toluene, ethylbenzene, and total xylene [BTEX] concentrations [i.e., total BTEX]; and chloride concentrations did not exceed Closure Criteria in any confirmation soil samples). Approximately 430 cy of affected soil were excavated from May to June 2022, not including the 50 cy of soil initially excavated in December 2021.

- On June 13 and 14, 2022, 480 cy of stockpiled excavated soil was transported to J&L Landfarm Inc. in Hobbs, New Mexico for disposal under the non-hazardous waste profile. Waste transportation and disposal activities are further described below in Section 4.3.
- On June 13 and 14, 2022, the excavated area was backfilled with clean fill. Backfilling is further described below in Section 4.4.

4.1 March 2022 Delineation Activities

Delineation activities were conducted on March 3, 2022, to assess the extent of remaining affected soil within the Release Area. A total of 4 test trenches (TT-1 through TT-4) were advanced using a backhoe across the Release Area to assess the vertical extent of affected soil. The test trenches were approximately 5 to 7 feet long and 3 feet wide. The total depth of the trenches ranged from 6 feet bgs (TT-2, TT-3, and TT-4) to 9 feet bgs (TT-1), as measured from original ground surface (not the bottom of the December 2021 excavation). The test trenches were excavated until a hard caliche layer was encountered which prevented further backhoe excavation (refusal). Lithology and field observations of hydrocarbons including odor, staining, and photo-ionization detector (PID) readings were recorded every 1 vertical foot during trench excavation. Soil samples were collected at 0.5-foot to 1-foot intervals during trench excavation. Following investigation and soil sampling activities, the trenches were backfilled with the originally excavated material. The locations of the March 2022 test trenches and soil samples are depicted on Figure 5.

General site lithology was observed to consist of unconsolidated red/brown clayey sand and sandy clay to depths of approximately 5 to 9 feet bgs underlain by soft to hard caliche until refusal was encountered at depths of 6 to 9 feet bgs. Copies of the test trench logs are provided in Appendix C.

Field observations of hydrocarbon odor and staining and PID readings are summarized as follows:

- In test trench TT-1, hydrocarbon odor and staining were observed to a depth of 1 foot bgs. PID readings ranged from 102 to 1,700 parts per million (ppm) from 1 to 3 feet bgs and decreased to below 50 ppm beneath a depth of 3 feet bgs.
- In test trench TT-2, hydrocarbon odor was observed to a depth of 3 feet bgs while staining was observed to a depth of 2 feet bgs. PID readings ranged from 173 to 2,200 ppm from 1 to 4 feet bgs and decreased to below 50 ppm beneath a depth of 4 feet bgs.
- In test trench TT-3, hydrocarbon odor was observed to a depth of 3.5 feet bgs while staining was observed to a depth of 1.5 feet bgs. PID readings ranged from 372 to 582 ppm from ground surface to 3 feet bgs and decreased to below 50 ppm beneath a depth of 3 feet bgs.

- In test trench TT-4, hydrocarbon odor and staining were observed to a depth of 1 foot bgs. A PID reading of 678 ppm was recorded at a depth of 1 foot bgs and decreased to below 50 ppm beneath a depth of 1 foot bgs.

Soil samples were submitted to Eurofins Xenco Laboratory in Midland, Texas for laboratory analysis of TPH by Environmental Protection Agency (EPA) Method 8015; BTEX by EPA Method 8021; and/or chloride by EPA Method 300.0. Initially, the uppermost two to three soil samples from each test trench were analyzed and the results were compared to NMOCD Closure Criteria (Closure Criteria). If concentrations of the initial samples exceeded Closure Criteria, deeper samples were analyzed until concentrations were below Closure Criteria or until the bottommost sample (i.e., at backhoe refusal) from each location was analyzed. The March 2022 soil sample analytical results are presented on Table 1 and are summarized as follows:

- Total TPH was detected at concentrations above the Closure Criterion in test trenches TT-1 (in samples collected from 0.5 to 2 feet bgs), TT-2 (in samples collected from 0.5 to 4 feet bgs), TT-3 (in samples collected from 0.5 to 3 feet bgs), and TT-4 (in the sample collected at 0.5 feet bgs). Underlying samples with total TPH concentrations below the Closure Criterion provided vertical delineation of total TPH at test trenches TT-1 (in samples collected from 3 to 6 feet bgs), TT-2 (in samples collected from 5 to 6 feet bgs), TT-3 (in samples collected from 4 to 6 feet bgs), and TT-4 (in samples collected from 1 to 6 feet bgs).
- Benzene was not detected above the Closure Criterion in any sample collected from the test trenches.
- Total BTEX was detected at concentrations above Closure Criterion at test trenches TT-1 (in samples collected from 0.5 to 2 feet bgs), TT-2 (in the sample collected at 0.5 feet bgs), and TT-3 (in samples collected from 0.5 to 3 feet bgs). Underlying samples with total BTEX concentrations below the Closure Criterion provided vertical delineation of total BTEX at test trenches TT-1 (in samples collected from 3 to 6 feet bgs), TT-2 (in samples collected from 1 to 6 feet bgs), and TT-3 (in samples collected from 4 to 6 feet bgs).
- Chloride was detected at concentrations above Closure Criterion at test trenches TT-1 (in samples collected from 1 to 2 feet bgs) and TT-3 (in samples collected from 0.5 to 3 feet bgs). Underlying samples with chloride concentrations below the Closure Criterion provided vertical delineation of chloride at test trenches TT-1 (in samples collected from 3 to 9 feet bgs) and TT-3 (in samples collected from 4 to 6 feet bgs).

The laboratory analytical reports and chain-of-custody documentation for the soil samples collected in March 2022 are provided in Appendix D. Photographs of the test trenches are shown in Appendix E.

Based on the results of the March 2022 delineation activities, remedial activities were planned as follows:

- Excavation activities would extend horizontally to the margins of the affected area until visual and olfactory evidence indicated total TPH concentrations were likely below Closure Criteria. In areas that were vertically delineated by test trench samples, the excavation would extend vertically to the depth of vertical delineation.
- Confirmation soil samples would be collected from the bottom and sidewalls of the excavation to confirm that total TPH, benzene, total BTEX, and chloride soil concentrations in exceedance of Closure Criteria were removed. Pursuant to 19.15.29.12(D) NMAC, confirmation samples would consist of five-point composite samples, and discrete grab samples would be collected from any wet or discolored areas. One confirmation soil sample would be collected per 200 square feet of excavation bottom. One sidewall confirmation soil sample would be collected per 200 square feet of excavation sidewall. Each confirmation sample would be analyzed for TPH by EPA Method 8015, BTEX by EPA Method 8021B, and chloride by EPA Method 300.0.
- If confirmation sample total TPH, benzene, total BTEX, or chloride concentrations exceeded Closure Criteria, additional excavation would be performed until additional confirmation samples indicated total TPH, benzene, total BTEX, and chloride concentrations were below Closure Criteria.
- The excavation would be backfilled to grade with similar clean fill material once confirmation sample analytical results were below the Closure Criteria. Pursuant to 19.15.29.13 NMAC, the affected surface areas would be restored to pre-release conditions by surface grading to near original conditions and contouring to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.
- Excavated soil would be stockpiled on plastic sheeting during the excavation, characterized, and disposed at an NMOCD-approved disposal facility at the completion of excavation activities.

4.2 Remedial Activities

The Release Area was approximately 2,500 square feet and was located entirely within the earthen containment berm. The Release Area was divided into Areas 1 through 4 based on the results of the March 2022 delineation activities. The Release Area and final excavation extents for Areas 1 through 4 are shown on Figure 6.

Several unmarked underground lines are located within the Release Area and were encountered or detected during excavation activities as follows:

- One subsurface line of unknown diameter and material is located in the northern portion of the Release Area and is oriented east-west. The line was not directly observed but was detected during a ground penetrating radar (GPR) survey conducted at the Site.

- One subsurface 2-inch diameter steel line (likely abandoned) is located in the central portion of Release Area and is oriented east-west.
- One subsurface 1-inch diameter steel line (likely abandoned) is located in the central portion of the Release Area (observed western portion only) and is oriented east-west parallel to the 2-inch line.

The locations of the unmarked underground lines are shown on Figures 5 and 6. HEP could not confirm the status, use, or ownership of these lines.

Remediation activities were conducted from May 3 through June 14, 2022, and included excavation of affected soil within or adjacent to the Release Area and confirmation sampling from the excavation bottom (also referred to as floor) and sidewalls. A backhoe was used for excavation activities in areas away from underground lines and excavation using hand tools was conducted in the immediate vicinity of and beneath underground lines. The excavation was extended laterally and vertically based on the results of the March 2022 delineation activities and until visual and olfactory evidence indicated total TPH concentrations were likely below Closure Criteria, at which point confirmation samples were collected for laboratory analysis.

Confirmation soil samples were collected and placed in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for analysis of TPH by EPA Method 8015M, BTEX by Method EPA 8021, and chloride by EPA Method 300 with the exception of sidewall sample locations SW-3A and SW-3B, which were not analyzed for BTEX or chloride because horizontal delineation to below the Closure Criteria was already achieved in the delineating sample collected at sidewall sample location SW-3, located south of sample locations SW-3A and SW-3B.

Benzene, total BTEX, and chloride were not detected above the Closure Criteria in any confirmation soil sample. Where confirmation sample analytical results indicated total TPH concentrations were above the Closure Criterion (i.e., sidewall sample locations SW-3 and SW-3A in Area 4), additional horizontal excavation was performed until all subsequent confirmation samples exhibited total TPH concentrations below the Closure Criterion (total TPH was not detected above the Closure Criterion in any bottom sample locations).

A summary of confirmation bottom and sidewall soil sample analytical results organized by area is provided in Table 2. As shown, all final (designated soil status as “in situ”) bottom and sidewall confirmation samples exhibited total TPH, benzene, total BTEX, and chloride concentrations below Closure Criteria, while all soil with total TPH, total BTEX, and/or chloride concentrations above Closure Criteria was excavated (benzene was not detected above the Closure Criterion in any sample collected at the site, including during delineation or confirmation sampling activities).

All confirmation sample locations are shown on Figure 6. Area 4 was the only area that required lateral excavation beyond the Release Area. The final excavation extent was within the earthen containment berm.

A total of 480 cy of affected soil (ex situ) was excavated from within or immediately adjacent to the Release Area. This includes approximate 50 cy of affected soil excavated in December 2021 and 430 cy of affected soil excavated from May through June 2022. The final excavation area was approximately 2,975 square feet. Final excavation depths ranged from 1 to 5 feet bgs. A table summarizing the final excavation depth and volume (ex situ) for each area is provided below.

Total Volume of Soil Excavated by Area – December 2021 to June 2022

Area	Excavation Depth (Feet bgs)	Final Ex Situ Volume (Cubic Yards)
1	3	47
2	5	308
3	4	62
4	1	63
Total Ex Situ Volume Excavated		**480**

The laboratory analytical reports and chain-of-custody documentation for the confirmation samples collected from May through June 2022 are provided in Appendix D. Photographs of the excavation are shown in Appendix E.

The final number of soil samples and sampling locations for investigation and remediation at the site from March to June 2022 are as follows:

- 34 test trench samples from 4 locations were collected for the purposes of vertical delineation throughout the Release Area, including duplicate samples (see Table 1).
- 1 stockpile soil sample was collected from excavated soil for waste characterization and profiling (see Table 2).
- 17 excavation bottom (floor) confirmation samples from 16 locations, including a duplicate sample, to guide excavation efforts and vertically confirm affected soil was removed to below Closure Criteria (see Table 2).
- 11 excavation sidewall confirmation samples from 8 locations, including a duplicate sample, to guide excavation efforts and laterally confirm affected soil was removed to below Closure Criteria (see Table 2).

4.3 Excavated Soil Disposal

On June 13 and 14, 2022, approximately 480 cy (ex situ) of affected soil excavated during site remedial activities were transported under non-hazardous waste manifests to J&L Landfarm Inc., in Hobbs, New Mexico. As approved by J&L Landfarm, Inc., stockpile samples were used to characterize the waste as non-hazardous for disposal. Results are shown on Table 2. Waste manifests are provided in Appendix F.

4.4 Backfilling and Restoration

Clean backfill material similar to the excavated material was mined from the McNabb Partners Pit located near Nadine, New Mexico (32.59324, -103.12100). In June 2022, 480 cy of clean soil were transported to the site and stockpiled pending backfilling. The clean fill was used to backfill the excavated area on June 13 and 14, 2022, immediately following excavation activities (see photographs in Appendix E). Final site grading was performed on June 14, 2022.

HEP has restored the area disturbed during remedial activities to a similar condition that existed prior to the release in accordance with 19.15.29.13 NMAC (see photographs in Appendix E).

4.5 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reports generated by Eurofins Xenco Laboratory in Midland, Texas for the confirmation sampling activities conducted from March through June 2022 were reviewed to ensure that reported analytical results met data quality objectives.

Based on the data review, it was determined that analytical results for reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the site. The laboratory analytical results and data review checklists are provided as Appendix D.

5.0 SITE CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD guidelines. Affected soil with total TPH, total BTEX, and chloride concentrations above Closure Criteria were excavated and transported to an appropriate disposal facility (benzene was not detected above the Closure Criterion in any sample collected at the site. The excavation was backfilled with clean fill material similar to the material excavated, and the surface was regraded and returned to pre-release conditions. As documented in this report, all final (in situ) confirmation soil samples exhibited total TPH, benzene, total BTEX, and chloride concentrations below the Closure Criteria.

Based on completion of the remedial activities in accordance with NMOCD guidelines, HEP respectfully requests that the NMOCD grant closure of the Hobbs Station LACT 571 Release (NMOCD tracking number nAPP2135653210).

6.0 DISTRIBUTION

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TABLES

TABLE 1
SUMMARY OF DELINEATION SAMPLE ANALYTICAL RESULTS
HOLLY ENERGY PARTNERS - OPERATING, L.P.
Hobbs Station LACT 571 Release
NMOCD Tracking No.: nAPP2135653210

Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Type	Soil Status	TPH GRO	TPH DRO	TPH MRO	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
					mg/kg									
NMOCD Closure Criteria					-	-	-	100	10	-	-	-	50	600
Area 1														
TT-1 @ 0.5	3/3/2022	0.5	Test Trench	Excavated	**1,860**	**25,300**	<249	**27,200**	<0.0401	**21.2**	**30.3**	**60.6**	**112**	**43.7**
TT-1 @ 1	3/3/2022	1	Test Trench	Excavated	**2,950**	**5,640**	<250	**8,590**	**6.0**	**38.9**	**24.8**	**50**	**120**	**8,690**
Dup-1 (TT-1 @ 1)	3/3/2022	1	Test Trench	Excavated	**1,090**	**2,580**	<49.9	**3,670**	**0.151**	**13.3**	**19.3**	**34.6**	**67.3**	**2,510**
TT-1 @ 2	3/3/2022	2	Test Trench	Excavated	**1,460**	**3,770**	<250	**5,230**	**0.608**	**14.9**	**13.6**	**27.9**	**57**	**4,000**
TT-1 @ 3	3/3/2022	3	Test Trench	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**12.2**
TT-1 @ 4	3/3/2022	4	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**6.35**
TT-1 @ 5	3/3/2022	5	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	**0.0683**	**0.0204**	<0.00200	<0.00401	**0.0887**	<5.02
TT-1 @ 6	3/3/2022	6	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**12.9**
TT-1 @ 7	3/3/2022	7	Test Trench	In Situ	--	--	--	--	--	--	--	--	--	**8.62**
TT-1 @ 8	3/3/2022	8	Test Trench	In Situ	--	--	--	--	--	--	--	--	--	**7.16**
TT-1 @ 9	3/3/2022	9	Test Trench	In Situ	--	--	--	--	--	--	--	--	--	**9.41**
Area 2														
TT-2 @ 0.5	3/3/2022	0.5	Test Trench	Excavated	**1,840**	**25,800**	<250	**27,600**	<0.402	**24.2**	**32.8**	**64.2**	**121**	**23.5**
TT-2 @ 1	3/3/2022	1	Test Trench	Excavated	**688**	**10,100**	<249	**10,800**	<0.0400	**0.644**	**1.1**	**2.23**	**3.98**	**32.9**
Dup-2 (TT-2 @ 1)	3/3/2022	1	Test Trench	Excavated	<250	**4,500**	<250	**4,500**	**0.129**	**0.0852**	**0.663**	**1.44**	**2.32**	**145**
TT-2 @ 2	3/3/2022	2	Test Trench	Excavated	**1,280**	**15,000**	<250	**16,300**	**0.25**	**5.09**	**6.11**	**14.6**	**26.1**	**28.6**
TT-2 @ 3	3/3/2022	3	Test Trench	Excavated	**576**	**6,500**	<249	**7,080**	<0.0398	**0.442**	**0.778**	**1.84**	**3.06**	**142**
TT-2 @ 4	3/3/2022	4	Test Trench	Excavated	<49.8	**824**	<49.8	**824**	<0.00199	<0.00199	**0.021**	**0.0406**	**0.0616**	**98.5**
TT-2 @ 5	3/3/2022	5	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**44.5**
TT-2 @ 6	3/3/2022	6	Test Trench	In Situ	<50.0	**56.7**	<50.0	**56.7**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**77.9**
Area 3														
TT-3 @ 0.5	3/3/2022	0.5	Test Trench	Excavated	**2,790**	**7,210**	<250	**10,000**	**7.13**	**61.9**	**54.2**	**94.6**	**218**	**7,450**
TT-3 @ 1	3/3/2022	1	Test Trench	Excavated	**1,850**	**6,510**	<250	**8,360**	**1.54**	**36.4**	**36.6**	**71.7**	**146**	**6,470**
Dup-3 (TT-3 @ 1)	3/3/2022	1	Test Trench	Excavated	**1,850**	**5,210**	<250	**7,060**	**2.19**	**19.8**	**15.4**	**34.2**	**72**	**8,350**
TT-3 @ 2	3/3/2022	2	Test Trench	Excavated	**2,970**	**7,740**	<250	**10,700**	**5.36**	**63.1**	**50.8**	**104**	**223**	**8,400**
TT-3 @ 3	3/3/2022	3	Test Trench	Excavated	**2,410**	**7,160**	<250	**9,570**	**1.01**	**31.8**	**31.2**	**69.6**	**134**	**6,800**
TT-3 @ 4	3/3/2022	4	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**15.8**
TT-3 @ 5	3/3/2022	5	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**7.82**
TT-3 @ 6	3/3/2022	6	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**10.7**
Area 4														
TT-4 @ 0.5	3/3/2022	0.5	Test Trench	Excavated	**1,060**	**16,100**	<250	**17,200**	<0.0998	**3.76**	**11.6**	**25.2**	**40.6**	**11.3**
TT-4 @ 1	3/3/2022	1	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**10.3**
TT-4 @ 2	3/3/2022	2	Test Trench	In Situ	<50.0	**83.8**	<50.0	**83.8**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**7.12**
TT-4 @ 3	3/3/2022	3	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**13.8**
TT-4 @ 4	3/3/2022	4	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**16.0**
TT-4 @ 5	3/3/2022	5	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**34.7**
TT-4 @ 6	3/3/2022	6	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**16.5**

Notes:

bgs Below ground surface
Dup Field duplicate sample
DRO Diesel Range Organics
GRO Gasoline Range Organics
mg/kg milligrams per kilogram
MRO Motor Oil Range Organics
NMOCD New Mexico Oil Conservation Division
Total BTEX Sum of benzene, toluene, ethylbenzene, xylenes
Total TPH Sum of TPH DRO, GRO, and MRO
TPH Total Petroleum Hydrocarbons
TT Test Trench Sample
< Parameter not detected above laboratory reporting limit
Bold Parameter detected above the laboratory reporting limit
Yellow Concentration is above the applicable NMOCD Closure Criteria
Pink Soil excavated and removed
-- Not Analyzed
- No Applicable Value

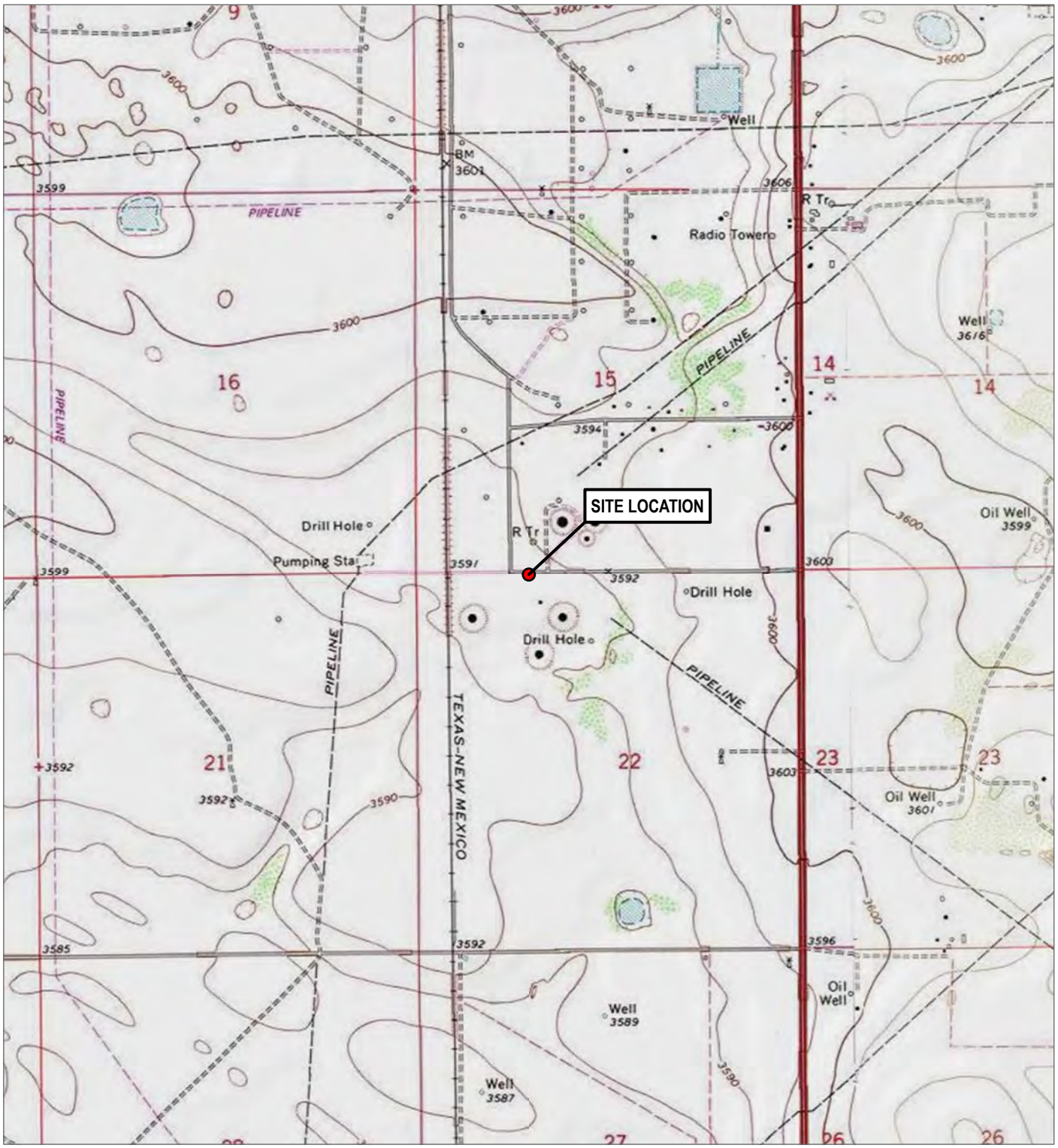
TABLE 2
SUMMARY OF CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS
HOLLY ENERGY PARTNERS - OPERATING, L.P.
Hobbs Station LACT 571 Release
NMOCD Tracking No.: nAPP2135653210

Sample ID	Sample Date	Sample Depth (feet bgs)	Sample Type	Soil Status	TPH GRO	TPH DRO	TPH MRO	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
					mg/kg									
NMOCD Closure Criteria					-	-	-	100	10	-	-	-	50	600
Area 1														
CS-1 @ 3	5/20/2022	3	Bottom	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**8.94**
DUP-1 (CS-1 @ 3)	5/20/2022	3	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**9.40**
CS-2 @ 3	5/20/2022	3	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**13.2**
SW-1 @ 2	5/20/2022	2	Sidewall	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**20.6**
Area 2														
CS-3 @ 5	5/20/2022	5	Bottom	In Situ	<49.9	**54.4**	<49.9	**54.4**	<0.00201	**0.00213**	<0.00201	<0.00402	<0.00402	**22.8**
CS-4 @ 5	5/20/2022	5	Bottom	In Situ	<50.0	**60.3**	<50.0	**60.3**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**30.2**
CS-5 @ 5	5/20/2022	5	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**352**
CS-6 @ 5	5/20/2022	5	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**347**
CS-7 @ 5	5/20/2022	5	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**198**
CS-8 @ 5	5/20/2022	5	Bottom	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**34.6**
SW-4 @ 3	5/20/2022	3	Sidewall	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	**0.0120**	**18.2**
SW-5 @ 4	5/20/2022	4	Sidewall	In Situ	**55.3**	<50.0	<50.0	**55.3**	<0.00200	**0.00258**	<0.00200	<0.00401	<0.00401	**11.9**
SW-6 @ 4.5	5/20/2022	4.5	Sidewall	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**7.99**
SW-8 @ 3	5/20/2022	3	Sidewall	In Situ	**54.3**	<50.0	<50.0	**54.3**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**7.69**
Area 3														
CS-9 @ 4	5/20/2022	4	Bottom	In Situ	<50.0	**74.3**	<50.0	**74.3**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**11.7**
CS-10 @ 4	5/20/2022	4	Bottom	In Situ	<50.0	**68.1**	<50.0	**68.1**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**7.37**
SW-2 @ 2	5/20/2022	2	Sidewall	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**15.1**
DUP-2 (SW-2 @ 2)	5/20/2022	2	Sidewall	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**15.4**
SW-7 @ 2	5/20/2022	2	Sidewall	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**8.94**
Area 4														
CS-11 @ 1	5/20/2022	1	Bottom	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**14.2**
CS-12 @ 1	5/20/2022	1	Bottom	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**19.0**
CS-13 @ 1	5/20/2022	1	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**16.4**
CS-14 @ 1	5/20/2022	1	Bottom	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**19.0**
CS-15 @ 1	5/20/2022	1	Bottom	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**17.8**
CS-16 @ 1	5/20/2022	1	Bottom	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**14.4**
SW-3 @ 0.5	5/20/2022	0.5	Sidewall	Excavated	<50.0	**759**	<50.0	**759**	<0.00199	**0.00238**	**0.00449**	**0.0374**	**0.0443**	**13.1**
SW-3A @ 0.5	6/3/2022	0.5	Sidewall	Excavated	<49.9	**674**	**765**	**1,440**	--	--	--	--	--	**--**
SW-3B @ 0.5	6/3/2022	0.5	Sidewall	In Situ	<50.0	<50.0	<50.0	<50.0	--	--	--	--	--	**--**
IDW														
IDW	5/20/2022	-	Stockpile	Excavated	<49.9	**314**	<49.9	**314**	<0.00198	**0.00361**	**0.00728**	**0.0289**	**0.0398**	**26.1**

Notes:

bgs	Below ground surface
Dup	Field Duplicate Sample
CS	Confirmation Sample
DRO	Diesel Range Organics
GRO	Gasoline Range Organics
IDW	Investigation-derived waste
mg/kg	milligrams per kilogram
MRO	Motor Oil Range Organics
NMOCD	New Mexico Oil Conservation Division
Total BTEX	Sum of benzene, toluene, ethylbenzene, xylenes
Total TPH	Sum of TPH DRO, GRO, and MRO
TPH	Total Petroleum Hydrocarbons
SW	Sidewall Sample
<	Parameter not detected above laboratory reporting limit
Bold	Parameter detected above the laboratory reporting limit
Yellow	Concentration is above the applicable NMOCD Closure Criteria
Pink	Soil excavated and removed
--	Not Analyzed
-	No Applicable Value

FIGURES



SITE LOCATION

BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.
HOBBS WEST, NM 1980.
DATA SOURCES: ESRI, USGS, TRC

0 1,000 2,000
FEET
1:24,000 1" = 2,000'

PROJECT:
HOLLY ENERGY PARTNERS – OPERATING, L.P.
HOBBS STATION LACT 571 RELEASE
LEA COUNTY, NEW MEXICO

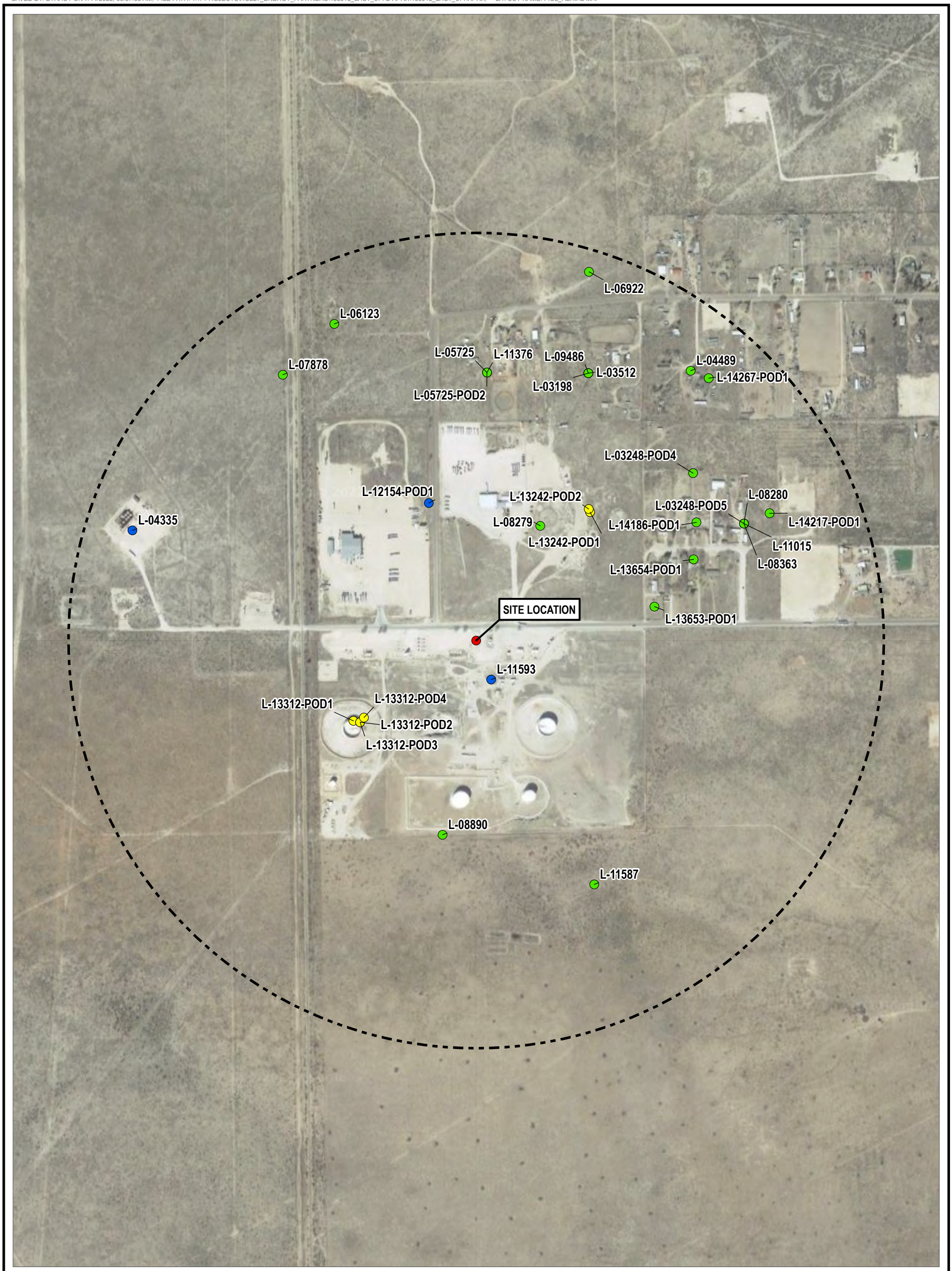
TITLE:
SITE LOCATION MAP

DRAWN BY:	C. MCELROY	PROJ. NO.:	488912.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	R. SEBRING		**FIGURE 1**
DATE:	JULY 2022		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: 488912_LACT_571

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
-- SAVED BY: BTRACY ON 7/14/2022, 09:37:53 AM; FILE PATH: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\488912_LACT_571\2-APRX\488912_LACT_571.APRX; LAYOUT NAME: FIG2_AERIAL MAP



- SITE LOCATION
- COMMERCIAL WELL
- DOMESTIC, LIVESTOCK, OR IRRIGATION WELL
- MONITORING WELL
- 1/2 MILE RELEASE AREA RADIUS

BASE MAP: GOOGLE SATELLITE ONLINE IMAGERY SERVICE.
DATA SOURCES: THE NEW MEXICO OFFICE OF THE STATE ENGINEER (OSE) POINT OF DIVERSIONS (POD) LAYER, TRC

0 300 600 FEET
1:7,200 1" = 600'

PROJECT:
HOLLY ENERGY PARTNERS – OPERATING, L.P.
HOBBS STATION LACT 571 RELEASE
LEA COUNTY, NEW MEXICO

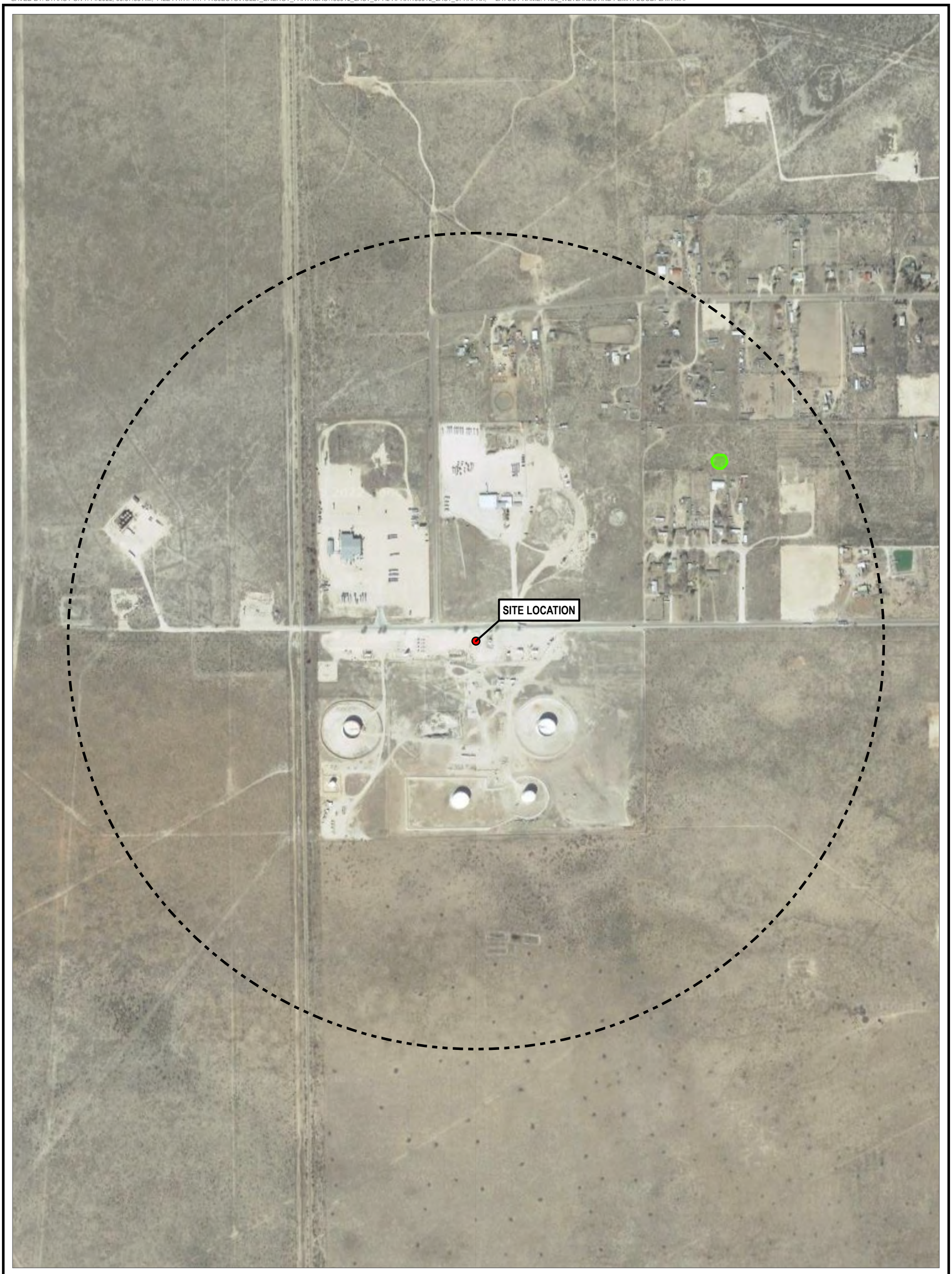
TITLE:
AERIAL MAP

DRAWN BY:	C. MCELROY	PROJ. NO.:	488912.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	R. SEBRING		**FIGURE 2**
DATE:	JULY 2022		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: 488912_LACT_571

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
-- SAVED BY: BTRACY ON 7/14/2022, 09:37:53 AM; FILE PATH: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\488912_LACT_571\2-APRX\488912_LACT_571.APRX; LAYOUT NAME: FIG3_WETLANDS AND FEMA FLOODPLAIN MAP



SITE LOCATION

1/2 MILE RELEASE AREA RADIUS

US FISH AND WILDLIFE SERVICE NATIONAL WETLAND INVENTORY FRESHWATER POND

NO FEMA FLOODPLAINS ARE LOCATED IN THIS AREA

PROJECT:
HOLLY ENERGY PARTNERS – OPERATING, L.P.
HOBBS STATION LACT 571 RELEASE
LEA COUNTY, NEW MEXICO

TITLE:
WETLANDS AND FEMA FLOODPLAIN MAP

DRAWN BY:	C. MCELROY	PROJ. NO.:	488912.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	R. SEBRING		**FIGURE 3**
DATE:	JULY 2022		

BASE MAP: GOOGLE SATELLITE ONLINE IMAGERY SERVICE.
DATA SOURCES: ESRI, USFWS, FEMA, TRC

0 300 600 FEET
1:7,200 1" = 600'

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: 488912_LACT_571

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
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SITE LOCATION

1/2 MILE RELEASE AREA RADIUS

LOW KARST POTENTIAL

BASE MAP: GOOGLE SATELLITE ONLINE IMAGERY SERVICE.
DATA SOURCES: ESRI, USGS, TRC

0 300 600 FEET

1:7,200 1" = 600'

PROJECT:
HOLLY ENERGY PARTNERS – OPERATING, L.P.
HOBBS STATION LACT 571 RELEASE
LEA COUNTY, NEW MEXICO

TITLE:
KARST POTENTIAL MAP

DRAWN BY:	C. MCELROY	PROJ. NO.:	488912.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	R. SEBRING		**FIGURE 4**
DATE:	JULY 2022		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: 488912_LACT_571

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
-- SAVED BY: BTRACY ON 7/14/2022, 09:37:53 AM; FILE PATH: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\488912_LACT_571\2-APRX\488912_LACT_571.APRX; LAYOUT NAME: FIG5_RELEASE AREA AND DELINEATION SAMPLE LOCATION MAP

- RELEASE POINT
- TEST TRENCH AND SOIL SAMPLE LOCATION
- UNMARKED 1-INCH PIPELINE
- UNMARKED PIPELINE (UNKNOWN DIAMETER)
- UNMARKED 2-INCH PIPELINE
- RELEASE AREA
- EARTHEN CONTAINMENT BERM

BASE MAP: GOOGLE EARTH PRO, IMAGE DATE 2/20/2019.
DATA SOURCES: TRC

NOTES:
TT=TEST TRENCH

0 4 8 FEET
1:100 1" = 8'

PROJECT:
HOLLY ENERGY PARTNERS – OPERATING, L.P.
HOBBS STATION LACT 571 RELEASE
LEA COUNTY, NEW MEXICO

TITLE:
RELEASE AREA AND DELINEATION SAMPLE LOCATION MAP

DRAWN BY:	C. MCELROY	PROJ. NO.:	488912.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	R. SEBRING		**FIGURE 5**
DATE:	JULY 2022		

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: 488912_LACT_571

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
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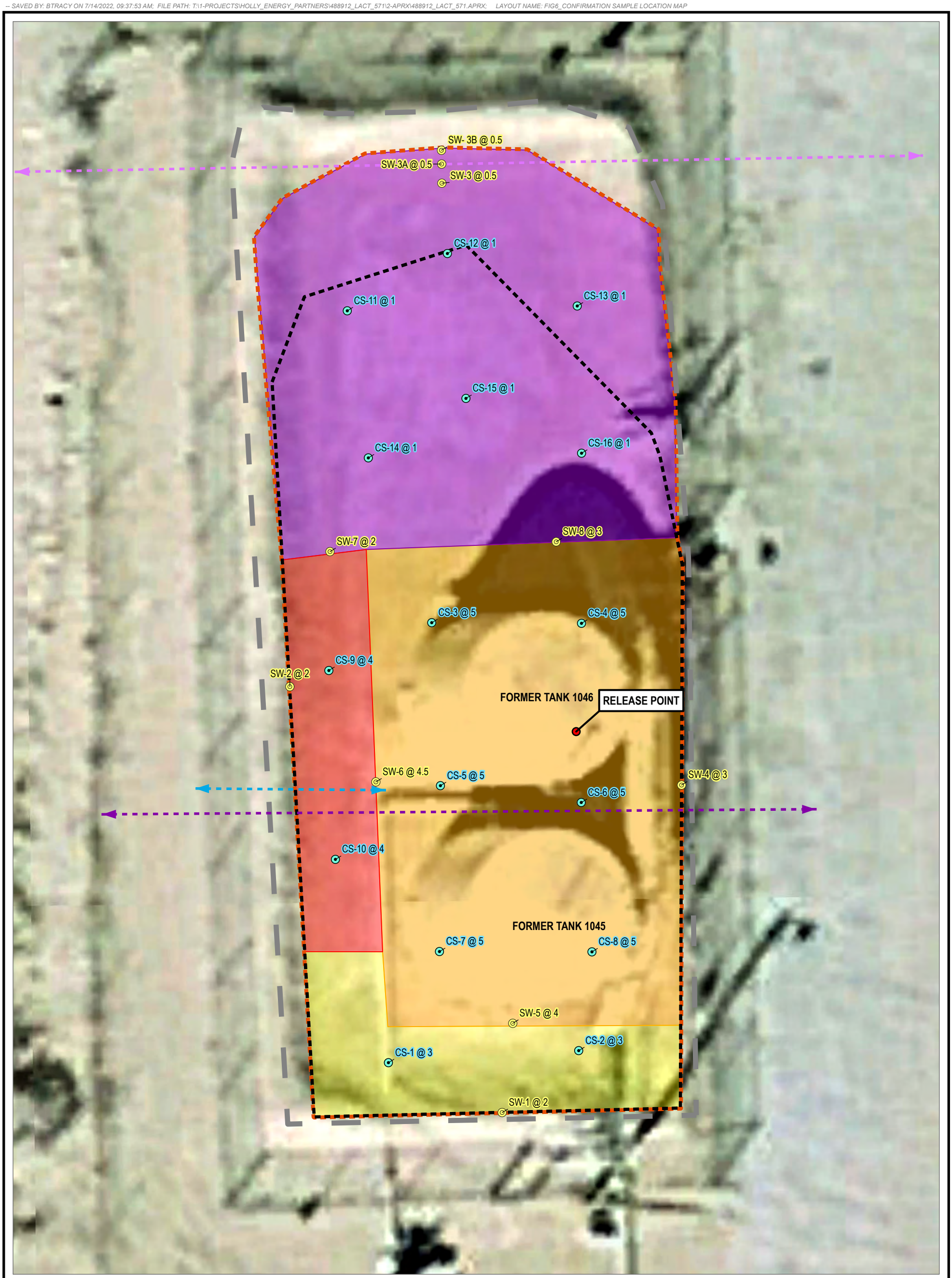

RELEASE POINT
CONFIRMATION BOTTOM SAMPLE
CONFIRMATION SIDEWALL SAMPLE
UNMARKED 1-INCH PIPELINE
UNMARKED PIPELINE (UNKNOWN DIAMETER)
UNMARKED 2-INCH PIPELINE

RELEASE AREA
EXCAVATION EXTENT
EARTHEN CONTAINMENT BERM
AREA 1 EXCAVATED TO 3 FEET BGS
AREA 2 EXCAVATED TO 5 FEET BGS
AREA 3 EXCAVATED TO 4 FEET BGS
AREA 4 EXCAVATED TO 1 FEET BGS

PROJECT:
HOLLY ENERGY PARTNERS – OPERATING, L.P.
HOBBS STATION LACT 571 RELEASE
LEA COUNTY, NEW MEXICO

TITLE:
EXCAVATION AND CONFIRMATION SAMPLE LOCATION MAP

DRAWN BY:	C. MCELROY	PROJ. NO.:	488912.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	R. SEBRING		**FIGURE 6**
DATE:	JULY 2022		

BASE MAP: GOOGLE EARTH PRO, IMAGE DATE 2/20/2019.
DATA SOURCES: TRC

NOTES:
CS: BOTTOM CONFIRMATION SAMPLE
SW: SIDEWALL CONFIRMATION SAMPLE
BGS: BELOW GROUND SURFACE

0 4 8 FEET
1:100 1" = 8'

TRC
505 EAST HUNTLAND DRIVE
SUITE #250
AUSTIN, TX 78752
PHONE: 512.329.6080

FILE: 488912_LACT_571

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

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Holly Energy Partners – Operating, LP	OGRID 282505
Contact Name Melanie Nolan	Contact Telephone 214-605-8303
Contact email Melanie.Nolan@hollyenergy.com	Incident # *(assigned by OCD) nAPP2135653210*
Contact mailing address 1602 W. Main, Artesia NM 88210	

Location of Release Source

Latitude 32.652725 Longitude -103.139583
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hobbs Station Lact 571	Site Type Lact Storage Tanks
Date Release Discovered 12/20/2021	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
C	22	19S	38E	Lea

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 71	Volume Recovered (bbls) 65
☐ 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
An unknown driver while unloading at the station overfilled the tank.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The area impacted was 45 feet in length by 15 feet wide and a depth in soil on average of 6 inches. Which approximately comes to 5.4 barrels of crude in saturated soil. A vacuum truck was on-site and collected 65 barrels of free liquid. With both factors considered it gives a release of approximately 71 barrels of crude.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, notice was given via phone to NMOCD on 12/20/2021 at 10:04pm by Trevor Baird. A voicemail was left.	

Initial Response

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

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

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

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Melanie Nolan Title: Environmental Specialist

Signature: Melanie Nolan Date: 1-4-2022

email: Melanie.Nolan@hollyenergy.com Telephone: 214.605.8303

OCD Only

Received by: Date:

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	44 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Melanie Nolan Title: Environmental Specialist

Signature: Melanie Nolan Date: 6/30/22

email: melanie.nolan@hollyenergy.com Telephone: 214·605·8303

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Melanie Nolan Title: Environmental Specialist

Signature: Melanie Nolan Date: 6/30/22

email: melanie.nolan@hollyenergy.com Telephone: 214-605-8303

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

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

Printed Name: Melanie Nolan Title: Environmental Specialist

Signature: Melanie Nolan Date: 6/30/22

email: melanie.nolan@hollyenergy.com Telephone: 214-605-8303

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 07/21/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Appendix B: Copies of NMOCD Communications

From: Sebring, Russell
To: "Bratcher, Mike, EMNRD"
Subject: FW: [EXTERNAL] Holly Energy Partners Hobbs Station LACT 571 Release (nAPP2135653210) Request for Extension
Date: Wednesday, June 29, 2022 9:53:00 AM
Attachments: image001.png

Mr. Bratcher,
Have you had a chance to review our request for extension?
I apologize if you have responded to this earlier, as I have been on vacation for the last week, and am still finding things that have been in the limbo of the ether.

Hope all is well,

Russell Sebring
Sr. Project Manager

TRC

10 Desta Drive #150E, Midland TX 79705
T: 432.520.7720 | C: 432.250.4465

LinkedIn | Twitter | Blog | www.trcsolutions.com

From: Sebring, Russell
Sent: Wednesday, June 8, 2022 8:46 AM
To: 'Bratcher, Mike, EMNRD' <mike.bratcher@state.nm.us>
Subject: FW: [EXTERNAL] Holly Energy Partners Hobbs Station LACT 571 Release (nAPP2135653210) Request for Extension

Mr. Bratcher,
Just touching base to see if you had a chance to review our Request for Extension?

Hope all is well,

Russell Sebring
Sr. Project Manager

TRC

10 Desta Drive #150E, Midland TX 79705
T: 432.520.7720 | C: 432.250.4465

LinkedIn | Twitter | Blog | www.trcsolutions.com

From: Sebring, Russell
Sent: Friday, May 20, 2022 4:52 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>

Cc: Trevor.baird <Trevor.baird@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>
Subject: RE: [EXTERNAL] Holly Energy Partners Hobbs Station LACT 571 Release (nAPP2135653210) Request for Extension

Mr. Mike Bratcher,

TRC commenced excavation activities at the Holly Energy Partners (HEP) Hobbs LACT 571 Station on May 3, 2022, to remove hydrocarbon-affected soils and collect confirmation samples. During excavation activities, two unmarked and unidentified underground lines were encountered within the excavation area. For safety of site workers and to prevent potential damage to other unknown lines, excavation work at the site was temporarily stopped in order to perform a ground penetrating radar (GPR) survey and determine if any additional unmarked lines were present within the excavation area. The GPR survey was conducted on May 10, 2022; two additional unmarked underground lines were identified in the work area.

TRC resumed excavation activities on May 19, 2022. Excavation was completed on May 20, 2022, and confirmation samples were collected for laboratory analysis to verify hydrocarbon-affected soils have been removed from the release area. If confirmation sample analytical results indicate concentrations are below Closure Criteria, TRC will submit a Site Closure Report for the Hobbs LACT 571 Release (nAPP213563210).

Due to the safety delay associated with the unmarked and unidentified lines, HEP respectfully requests a 60-day extension (until July 21, 2022) for submittal of the Closure Report to the NMOCD. Please confirm your approval of the 60-day extension by return email.

If you have any questions or need additional information, please contact me or Trevor Baird of HEP at 214.998.4864 or Trevor.Baird@hollyenergy.com.

Sincerely,

Russell Sebring
Sr. Project Manager

TRC

10 Desta Drive #150E, Midland TX 79705
T: 432.520.7720 | C: 432.250.4465

LinkedIn | Twitter | Blog | www.trcsolutions.com

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Sent: Tuesday, March 22, 2022 10:52 AM
To: Sebring, Russell <RSebring@trccompanies.com>; Hensley, Chad, EMNRD

<Chad.Hensley@state.nm.us>
Cc: Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>
Subject: RE: [EXTERNAL] Holly Energy Partners Hobbs Station LACT 571 Release (nAPP2135653210) Request for Extension

Russel,

Your request for an extension to 05/22/2022 to submit a closure report is approved for incident number nAPP2135653210. Please include a copy of this and all email correspondence in the closure report in order have correspondence and notifications in the project file.

Thank you,

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St. | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Sebring, Russell <RSebring@trccompanies.com>
Sent: Friday, March 18, 2022 7:04 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Trevor.baird <Trevor.baird@hollyenergy.com>; mark.shemaria <mark.shemaria@hollyenergy.com>; Melanie Nolan <melanie.nolan@hollyenergy.com>; Sahba, Arsin M. <arsin.sahba@hollyfrontier.com>; Gilbert, Bryan <BGilbert@trccompanies.com>; Hoover, Shannon <SHoover@trccompanies.com>; Clark, Darija <dclark@trccompanies.com>
Subject: [EXTERNAL] Holly Energy Partners Hobbs Station LACT 571 Release (nAPP2135653210) Request for Extension

Mr. Mike Bratcher,

On December 20, 2021, an estimated release of 71 barrels of crude oil occurred from a crude oil storage tank (LACT 571) at the Holly Energy Partners – Operating, L.P. (HEP) Hobbs Station. Approximately 65 barrels of oil recovered by vacuum truck and placed back into the system disposed at an NMOCD-approved facility. The site is located in Unit Letter C, Section 22, Township 19, Range 38, Lea County, New Mexico.

The NMOCD was notified of the release on December 20, 2021, and the initial C-141 was submitted on January 4, 2022. The initial C-141 was assigned the NMOCD Tracking No.: NAPP2135653210. A copy of the initial C-141 is attached. Based on the date of the release, a Closure Report will be due on March 21, 2022.

Characterization and remediation activities were delayed until the tank was removed pending replacement activities. Initial characterization activities were conducted at the site on March 3, 2022, immediately following the removal of the subject tank; however, preliminary laboratory results indicate that further response action is necessary.

Due to the delay, HEP respectfully requests a 60-day extension (until May 20, 2022) for submittal of the Closure Report to the NMOCD.

If you have any questions or need additional information, please contact me or Trevor Baird of HEP at 214.998.4864 or Trevor.Baird@hollyenergy.com. Please confirm your approval of the 60-day extension by return email.

Sincerely,

Russell Sebring
Sr. Project Manager

TRC

10 Desta Drive #130E, Midland TX 79705
T: 432.520.7720 | C: 432.250.4465

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Appendix C: Trench Logs

PAGE _____ OF _____

TRC

LOG OF SOIL BORING

PROJECT NAME: NORBS LACT 571	SOIL BORING ID: TT-1		
PROJECT NUMBER:	LOCATION:	SHEET 1 OF	
LOGGED BY: RWS		SURFACE ELEV.:	
PROJECT LOCATION:	N: 32.65271 E: -103.13985	DATE STARTED: 3/3/22	
DRILLED BY: TJ2C / BACKHOE	DRILLER NAME:	DATE COMPLETED:	

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
				1700	1	CLAYEY SANDS, MOIST, ODOR STAINING	
				378	2		
					2.5	NO STAINING	
				102	3	NO ODOR	
				26	4		
						MOIST CALICHE LAYER ~ 0.5' THICK	
				22	5.0	SANDY CLAY, MOIST	
				8	6		
				14	7		
					7.5		
				18	8		
						HARD DRY CALICHE @ ~ 8.5	* REFUSAL @ 9'
					10.0		
					12.5		
					15.0		
					17.5		
					20.0		

DRILLING METHOD
BACK HOE
DRILL RIG
BORING DIAMETER

WATER LEVEL OBSERVATIONS			
FIRST OCCURRENCE:			
DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM

SIGNED _____ DATE _____

CHECKED _____ DATE _____

REVISED 06/2011

TRC

LOG OF SOIL BORING

PROJECT NAME: Hobbs LACT 571	SOIL BORING ID: TT-2		
PROJECT NUMBER:	LOCATION:	SHEET 1 OF	
LOGGED BY: Russell Sebring		SURFACE ELEV.:	
PROJECT LOCATION:	N: 32.65175 E: -103.13984	DATE STARTED: 3/3/22	
DRILLED BY: TTC/Backhoe	DRILLER NAME:	DATE COMPLETED:	

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
						CLAYEY SANDS (SOME FEA GRAVEL @ SURFACE)	
				2200	1	MOIST, ODOR	
				880	2	NO STAINING @ 2'	
					2.5		
				245	3	NO ODOR @ 3	
				173	4		
				21	5.0		
						CLAY, MOIST	
				19	6	HARD DRY CALICHE ~ 5.1'-5.75'	* REFUSAL @ 6'
					7		
					7.5		
					10.0		
					12.5		
					15.0		
					17.5		
					20.0		

DRILLING METHOD	Backhoe
DRILL RIG	
BORING DIAMETER	Trench

WATER LEVEL OBSERVATIONS

FIRST OCCURRENCE:

DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM
N/A			

SIGNED DATE

CHECKED DATE

REVISED 06/2011

TRC

LOG OF SOIL BORING

PROJECT NAME: HOBBS LACT 571	SOIL BORING ID: TT-3		
PROJECT NUMBER:	LOCATION:	SHEET 1 OF	
LOGGED BY: RUSSELL SEBRING		SURFACE ELEV.:	
PROJECT LOCATION:	N: 32.65279 E: -103.13589	DATE STARTED: 3/3/22	
DRILLED BY: TRC/BACKHOE	DRILLER NAME:	DATE COMPLETED:	

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
				582	1	CLAYEY SANDS MOIST, ODOR, STAINING	
						* NO STAINING @ 1.5' BGS	
				372	2		
					2.5		
				404	3	* NO ODOR @ 3.5' BGS	
				17	4		
				10	5.0		
						DRY CLAY, VERY FINE	
				8	6	HARD CALICHE DRY	* REFUSAL @ 6'
					7		
					7.5		
					10.0		
					12.5		
					15.0		
					17.5		
					20.0		

DRILLING METHOD	BACKHOE
DRILL RIG	
BORING DIAMETER	TRENCH

WATER LEVEL OBSERVATIONS

FIRST OCCURRENCE:

DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM

SIGNED DATE

CHECKED DATE

REVISED 06/2011

PAGE _____ OF _____

TRC

LOG OF SOIL BORING

PROJECT NAME: HOBBS LACT 571	SOIL BORING ID: TT-4		
PROJECT NUMBER:	LOCATION:	SHEET 1 OF	
LOGGED BY: RUSSELL SEBRING		SURFACE ELEV.:	
PROJECT LOCATION:	N: 32.65289 E: -103.13982	DATE STARTED: 3/3/22	
DRILLED BY: TRC / BACKHOE	DRILLER NAME:	DATE COMPLETED:	

NO.	TYPE	%	BLOWS	PID	DEPTH	VISUAL CLASSIFICATION AND OBSERVATIONS	COMMENT
				678	1	BLOW SAND / CLAYEY SAND	
						(0.5-1) SANDY CLAY MOIST ODOR STAINING	
				29	2	(1-5) SANDY CLAY MOIST NO ODOR	
					2.5		
				19	3		
				8	4		
				14	5.0		
						(5-6) DRY CALICHE CLAY	
				6	6		* REFUSAL @ 6'
					7.5		
					10.0		
					12.5		
					15.0		
					17.5		
					20.0		

DRILLING METHOD	BACKHOE
DRILL RIG	
BORING DIAMETER	TRENCH

WATER LEVEL OBSERVATIONS

FIRST OCCURRENCE:

DATE	TIME	DEPTH TO WATER	DEPTH TO BOTTOM

SIGNED _____ DATE _____

CHECKED _____ DATE _____

REVISED 06/2011

Appendix D: Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12110-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: HEP: Hobbs LACT 571
Revision: 1

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Russell Sebring

JKramer

Authorized for release by:
6/28/2022 2:11:24 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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

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

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Laboratory Job ID: 880-12110-1
SDG: Hobbs NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Glossary (Continued)

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Job ID: 880-12110-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-12110-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 3/18/2022. The report (revision 1) is being revised due to: Per client email, reviewing data and narratives.

Receipt
The samples were received on 3/7/2022 12:10 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.7º C.

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21146 and analytical batch 880-21440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21538 and analytical batch 880-21464 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: TT-1 @ 0.5 (880-12110-1), TT-2 @ 0.5 (880-12110-11), TT-3 @ 0.5 (880-12110-20), TT-4 @ 0.5 (880-12110-30) and Dup-1 (880-12110-40). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: TT-3 @ 0.5 (880-12110-20) at 50.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: TT-2 @ 1 (880-12110-12), TT-2 @ 2 (880-12110-13) and TT-2 @ 3 (880-12110-14) at 20.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: TT-1 @ 1 (880-12110-2), TT-1 @ 2 (880-12110-3) and TT-3 @ 3 (880-12110-23) at 100.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: TT-3 @ 0.5 (880-12110-20) and TT-3 @ 2 (880-12110-22) at 500.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21701 and analytical batch 880-21704 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: TT-1 @ 5 (880-12110-6) at 10.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: TT-3 @ 2 (880-12110-22) at 500.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: TT-3 @ 1 (880-12110-21) at 100.0. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Job ID: 880-12110-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: TT-1 @ 0.5 (880-12110-1), TT-2 @ 0.5 (880-12110-11), TT-3 @ 0.5 (880-12110-20), TT-4 @ 0.5 (880-12110-30), Dup-1 (880-12110-40) and Dup-3 (880-12110-42). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21654 and analytical batch 880-21609 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

Method 8015B NM: The CCV was biased high for the diesel range hydrocarbons however since another CCV was analyzed and acceptable within the 12 hour window the data was qualified and reported.

(CCV 880-21611/46)

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-21371/3-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21371 and analytical batch 880-21357 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Method 300.0: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for preparation batch 880-21134 and analytical batch 880-21439. The associated laboratory control sample (LCS) met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 0.5

Date Collected: 03/03/22 10:50
Date Received: 03/07/22 12:10
Sample Depth: 0.5'

Lab Sample ID: 880-12110-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.401	U	0.401		mg/Kg		03/14/22 12:48	03/14/22 23:57	200
Toluene	**21.2**		0.401		mg/Kg		03/14/22 12:48	03/14/22 23:57	200
Ethylbenzene	**30.3**		0.401		mg/Kg		03/14/22 12:48	03/14/22 23:57	200
m-Xylene & p-Xylene	**42.9**		0.802		mg/Kg		03/14/22 12:48	03/14/22 23:57	200
o-Xylene	**17.7**		0.401		mg/Kg		03/14/22 12:48	03/14/22 23:57	200
Xylenes, Total	**60.6**		0.802		mg/Kg		03/14/22 12:48	03/14/22 23:57	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*173*	*S1+*	*70 - 130*	*03/14/22 12:48*	*03/14/22 23:57*	*200*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/14/22 12:48*	*03/14/22 23:57*	*200*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**112**		0.802		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27200**		249		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1860**		249		mg/Kg		03/11/22 09:52	03/12/22 06:54	5
Diesel Range Organics (Over C10-C28)	**25300**		249		mg/Kg		03/11/22 09:52	03/12/22 06:54	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		03/11/22 09:52	03/12/22 06:54	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*194*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 06:54*	*5*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 06:54*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**43.7**		4.97		mg/Kg			03/12/22 11:30	1

Client Sample ID: TT-1 @ 1

Date Collected: 03/03/22 10:55
Date Received: 03/07/22 12:10
Sample Depth: 1'

Lab Sample ID: 880-12110-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**6.00**		0.200		mg/Kg		03/16/22 08:30	03/16/22 15:38	100
Toluene	**38.9**		0.200		mg/Kg		03/16/22 08:30	03/16/22 15:38	100
Ethylbenzene	**24.8**		0.200		mg/Kg		03/16/22 08:30	03/16/22 15:38	100
m-Xylene & p-Xylene	**36.1**		0.401		mg/Kg		03/16/22 08:30	03/16/22 15:38	100
o-Xylene	**13.9**		0.200		mg/Kg		03/16/22 08:30	03/16/22 15:38	100
Xylenes, Total	**50.0**		0.401		mg/Kg		03/16/22 08:30	03/16/22 15:38	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*03/16/22 08:30*	*03/16/22 15:38*	*100*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 1

Date Collected: 03/03/22 10:55
Date Received: 03/07/22 12:10
Sample Depth: 1'

Lab Sample ID: 880-12110-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	77		70 - 130	03/16/22 08:30	03/16/22 15:38	100

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	120		0.401	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8590		250	mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2950		250	mg/Kg		03/15/22 10:57	03/16/22 02:25	5
Diesel Range Organics (Over C10-C28)	5640		250	mg/Kg		03/15/22 10:57	03/16/22 02:25	5
Oil Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/15/22 10:57	03/16/22 02:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130	03/15/22 10:57	03/16/22 02:25	5
o-Terphenyl	104		70 - 130	03/15/22 10:57	03/16/22 02:25	5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8690		99.2	mg/Kg			03/12/22 11:36	20

Client Sample ID: TT-1 @ 2

Date Collected: 03/03/22 11:00
Date Received: 03/07/22 12:10
Sample Depth: 2'

Lab Sample ID: 880-12110-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.608		0.202	mg/Kg		03/16/22 08:30	03/16/22 15:58	100
Toluene	14.9		0.202	mg/Kg		03/16/22 08:30	03/16/22 15:58	100
Ethylbenzene	13.6		0.202	mg/Kg		03/16/22 08:30	03/16/22 15:58	100
m-Xylene & p-Xylene	20.1		0.403	mg/Kg		03/16/22 08:30	03/16/22 15:58	100
o-Xylene	7.77		0.202	mg/Kg		03/16/22 08:30	03/16/22 15:58	100
Xylenes, Total	27.9		0.403	mg/Kg		03/16/22 08:30	03/16/22 15:58	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130	03/16/22 08:30	03/16/22 15:58	100
1,4-Difluorobenzene (Surr)	90		70 - 130	03/16/22 08:30	03/16/22 15:58	100

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	57.0		0.403	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5230		250	mg/Kg			03/14/22 09:29	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 2

Date Collected: 03/03/22 11:00
Date Received: 03/07/22 12:10
Sample Depth: 2'

Lab Sample ID: 880-12110-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1460		250		mg/Kg		03/15/22 10:57	03/16/22 02:49	5
Diesel Range Organics (Over C10-C28)	3770		250		mg/Kg		03/15/22 10:57	03/16/22 02:49	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		03/15/22 10:57	03/16/22 02:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*154*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 02:49*	*5*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 02:49*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4000		50.1		mg/Kg			03/12/22 11:42	10

Client Sample ID: TT-1 @ 3

Date Collected: 03/03/22 11:05
Date Received: 03/07/22 12:10
Sample Depth: 3'

Lab Sample ID: 880-12110-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 13:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 13:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 13:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/16/22 08:30	03/16/22 13:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 13:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/16/22 08:30	03/16/22 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/16/22 08:30*	*03/16/22 13:15*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/16/22 08:30*	*03/16/22 13:15*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/22 10:57	03/15/22 20:54	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/15/22 10:57	03/15/22 20:54	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/22 10:57	03/15/22 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*03/15/22 10:57*	*03/15/22 20:54*	*1*
o-Terphenyl	*115*		*70 - 130*	*03/15/22 10:57*	*03/15/22 20:54*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 3

Lab Sample ID: 880-12110-4
Matrix: Solid
Date Collected: 03/03/22 11:05
Date Received: 03/07/22 12:10
Sample Depth: 3'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		4.99		mg/Kg			03/12/22 11:48	1

Client Sample ID: TT-1 @ 4

Lab Sample ID: 880-12110-5
Matrix: Solid
Date Collected: 03/03/22 11:10
Date Received: 03/07/22 12:10
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 04:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 04:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 04:02	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/15/22 12:43	03/16/22 04:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 04:02	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/15/22 12:43	03/16/22 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/15/22 12:43*	*03/16/22 04:02*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*03/15/22 12:43*	*03/16/22 04:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 21:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 21:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*03/15/22 10:57*	*03/15/22 21:55*	*1*
o-Terphenyl	*123*		*70 - 130*	*03/15/22 10:57*	*03/15/22 21:55*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.35		4.98		mg/Kg			03/12/22 11:54	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 5

Lab Sample ID: 880-12110-6
Matrix: Solid
Date Collected: 03/03/22 11:15
Date Received: 03/07/22 12:10
Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0683**		0.0200		mg/Kg		03/15/22 12:43	03/16/22 10:03	10
Toluene	**0.0204**		0.0200		mg/Kg		03/15/22 12:43	03/16/22 10:03	10
Ethylbenzene	<0.0200	U	0.0200		mg/Kg		03/15/22 12:43	03/16/22 10:03	10
m-Xylene & p-Xylene	<0.0401	U	0.0401		mg/Kg		03/15/22 12:43	03/16/22 10:03	10
o-Xylene	<0.0200	U	0.0200		mg/Kg		03/15/22 12:43	03/16/22 10:03	10
Xylenes, Total	<0.0401	U	0.0401		mg/Kg		03/15/22 12:43	03/16/22 10:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*03/15/22 12:43*	*03/16/22 10:03*	*10*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/15/22 12:43*	*03/16/22 10:03*	*10*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0887**		0.0401		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/16/22 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/16/22 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/16/22 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*03/15/22 10:57*	*03/16/22 01:37*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/15/22 10:57*	*03/16/22 01:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			03/12/22 12:11	1

Client Sample ID: TT-1 @ 6

Lab Sample ID: 880-12110-7
Matrix: Solid
Date Collected: 03/03/22 11:20
Date Received: 03/07/22 12:10
Sample Depth: 6'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/15/22 12:43	03/16/22 08:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/15/22 12:43	03/16/22 08:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/15/22 12:43*	*03/16/22 08:00*	*1*

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 6

Lab Sample ID: 880-12110-7
Matrix: Solid
Date Collected: 03/03/22 11:20
Date Received: 03/07/22 12:10
Sample Depth: 6'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/15/22 12:43*	*03/16/22 08:00*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/15/22 10:57	03/15/22 22:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/15/22 10:57	03/15/22 22:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/22 10:57	03/15/22 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*118*		*70 - 130*	*03/15/22 10:57*	*03/15/22 22:15*	*1*
o-Terphenyl	*121*		*70 - 130*	*03/15/22 10:57*	*03/15/22 22:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.9**		4.95	mg/Kg			03/12/22 12:17	1

Client Sample ID: TT-1 @ 7

Lab Sample ID: 880-12110-8
Matrix: Solid
Date Collected: 03/03/22 11:25
Date Received: 03/07/22 12:10
Sample Depth: 7'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.62**		5.05	mg/Kg			03/12/22 12:35	1

Client Sample ID: TT-1 @ 8

Lab Sample ID: 880-12110-9
Matrix: Solid
Date Collected: 03/03/22 11:30
Date Received: 03/07/22 12:10
Sample Depth: 8'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.16**		4.97	mg/Kg			03/12/22 12:41	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 9

Lab Sample ID: 880-12110-10
Matrix: Solid

Date Collected: 03/03/22 11:35
Date Received: 03/07/22 12:10
Sample Depth: 9'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.41**		4.95		mg/Kg			03/12/22 12:47	1

Client Sample ID: TT-2 @ 0.5

Lab Sample ID: 880-12110-11
Matrix: Solid

Date Collected: 03/03/22 12:45
Date Received: 03/07/22 12:10
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.402	U	0.402		mg/Kg		03/14/22 12:48	03/15/22 00:18	200
Toluene	**24.2**		0.402		mg/Kg		03/14/22 12:48	03/15/22 00:18	200
Ethylbenzene	**32.8**		0.402		mg/Kg		03/14/22 12:48	03/15/22 00:18	200
m-Xylene & p-Xylene	**45.6**		0.803		mg/Kg		03/14/22 12:48	03/15/22 00:18	200
o-Xylene	**18.6**		0.402		mg/Kg		03/14/22 12:48	03/15/22 00:18	200
Xylenes, Total	**64.2**		0.803		mg/Kg		03/14/22 12:48	03/15/22 00:18	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*181*	*S1+*	*70 - 130*	*03/14/22 12:48*	*03/15/22 00:18*	*200*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/14/22 12:48*	*03/15/22 00:18*	*200*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**121**		0.803		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27600**		250		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1840**		250		mg/Kg		03/11/22 09:52	03/12/22 07:16	5
Diesel Range Organics (Over C10-C28)	**25800**		250		mg/Kg		03/11/22 09:52	03/12/22 07:16	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		03/11/22 09:52	03/12/22 07:16	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*199*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 07:16*	*5*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 07:16*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		4.98		mg/Kg			03/12/22 12:53	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 1

Date Collected: 03/03/22 12:50
Date Received: 03/07/22 12:10
Sample Depth: 1'

Lab Sample ID: 880-12110-12
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0400	U	0.0400		mg/Kg		03/16/22 08:30	03/16/22 13:35	20
Toluene	0.644		0.0400		mg/Kg		03/16/22 08:30	03/16/22 13:35	20
Ethylbenzene	1.10		0.0400		mg/Kg		03/16/22 08:30	03/16/22 13:35	20
m-Xylene & p-Xylene	1.34		0.0800		mg/Kg		03/16/22 08:30	03/16/22 13:35	20
o-Xylene	0.892		0.0400		mg/Kg		03/16/22 08:30	03/16/22 13:35	20
Xylenes, Total	2.23		0.0800		mg/Kg		03/16/22 08:30	03/16/22 13:35	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*03/16/22 08:30*	*03/16/22 13:35*	*20*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*03/16/22 08:30*	*03/16/22 13:35*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.98		0.0800		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10800		249		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	688		249		mg/Kg		03/15/22 10:57	03/16/22 03:14	5
Diesel Range Organics (Over C10-C28)	10100		249		mg/Kg		03/15/22 10:57	03/16/22 03:14	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		03/15/22 10:57	03/16/22 03:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 03:14*	*5*
o-Terphenyl	*127*		*70 - 130*	*03/15/22 10:57*	*03/16/22 03:14*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		5.00		mg/Kg			03/12/22 12:59	1

Client Sample ID: TT-2 @ 2

Date Collected: 03/03/22 12:55
Date Received: 03/07/22 12:10
Sample Depth: 2'

Lab Sample ID: 880-12110-13
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.250		0.0396		mg/Kg		03/16/22 08:30	03/16/22 13:56	20
Toluene	5.09		0.0396		mg/Kg		03/16/22 08:30	03/16/22 13:56	20
Ethylbenzene	6.11		0.0396		mg/Kg		03/16/22 08:30	03/16/22 13:56	20
m-Xylene & p-Xylene	9.76		0.0792		mg/Kg		03/16/22 08:30	03/16/22 13:56	20
o-Xylene	4.85		0.0396		mg/Kg		03/16/22 08:30	03/16/22 13:56	20
Xylenes, Total	14.6		0.0792		mg/Kg		03/16/22 08:30	03/16/22 13:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*03/16/22 08:30*	*03/16/22 13:56*	*20*

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 2

Date Collected: 03/03/22 12:55
Date Received: 03/07/22 12:10
Sample Depth: 2'

Lab Sample ID: 880-12110-13

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*03/16/22 08:30*	*03/16/22 13:56*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**26.1**		0.0792	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**16300**		250	mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1280**		250	mg/Kg		03/15/22 10:57	03/16/22 03:40	5
Diesel Range Organics (Over C10-C28)	**15000**		250	mg/Kg		03/15/22 10:57	03/16/22 03:40	5
Oil Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/15/22 10:57	03/16/22 03:40	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 03:40*	*5*
o-Terphenyl	*130*		*70 - 130*	*03/15/22 10:57*	*03/16/22 03:40*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.6**		4.96	mg/Kg			03/12/22 13:04	1

Client Sample ID: TT-2 @ 3

Date Collected: 03/03/22 13:00
Date Received: 03/07/22 12:10
Sample Depth: 3'

Lab Sample ID: 880-12110-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0398	U	0.0398	mg/Kg		03/16/22 08:30	03/16/22 14:16	20
Toluene	**0.442**		0.0398	mg/Kg		03/16/22 08:30	03/16/22 14:16	20
Ethylbenzene	**0.778**		0.0398	mg/Kg		03/16/22 08:30	03/16/22 14:16	20
m-Xylene & p-Xylene	**1.17**		0.0797	mg/Kg		03/16/22 08:30	03/16/22 14:16	20
o-Xylene	**0.669**		0.0398	mg/Kg		03/16/22 08:30	03/16/22 14:16	20
Xylenes, Total	**1.84**		0.0797	mg/Kg		03/16/22 08:30	03/16/22 14:16	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*03/16/22 08:30*	*03/16/22 14:16*	*20*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*03/16/22 08:30*	*03/16/22 14:16*	*20*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**3.06**		0.0797	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**7080**		249	mg/Kg			03/14/22 09:29	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 3

Lab Sample ID: 880-12110-14
Matrix: Solid

Date Collected: 03/03/22 13:00
Date Received: 03/07/22 12:10
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**576**		249		mg/Kg		03/15/22 10:57	03/16/22 04:04	5
Diesel Range Organics (Over C10-C28)	**6500**		249		mg/Kg		03/15/22 10:57	03/16/22 04:04	5
Oil Range Organics (Over C28-C36)	<249	U	249		mg/Kg		03/15/22 10:57	03/16/22 04:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*03/15/22 10:57*	*03/16/22 04:04*	*5*
o-Terphenyl	*110*		*70 - 130*	*03/15/22 10:57*	*03/16/22 04:04*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**142**		4.97		mg/Kg			03/12/22 13:10	1

Client Sample ID: TT-2 @ 4

Lab Sample ID: 880-12110-15
Matrix: Solid

Date Collected: 03/03/22 13:05
Date Received: 03/07/22 12:10
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/16/22 08:30	03/16/22 14:36	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/16/22 08:30	03/16/22 14:36	1
Ethylbenzene	**0.0210**		0.00199		mg/Kg		03/16/22 08:30	03/16/22 14:36	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/16/22 08:30	03/16/22 14:36	1
o-Xylene	**0.0406**		0.00199		mg/Kg		03/16/22 08:30	03/16/22 14:36	1
Xylenes, Total	**0.0406**		0.00398		mg/Kg		03/16/22 08:30	03/16/22 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/16/22 08:30*	*03/16/22 14:36*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/16/22 08:30*	*03/16/22 14:36*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0616**		0.00398		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**824**		49.8		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/15/22 10:57	03/16/22 02:01	1
Diesel Range Organics (Over C10-C28)	**824**		49.8		mg/Kg		03/15/22 10:57	03/16/22 02:01	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/15/22 10:57	03/16/22 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/15/22 10:57*	*03/16/22 02:01*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/15/22 10:57*	*03/16/22 02:01*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 4

Lab Sample ID: 880-12110-15
Matrix: Solid

Date Collected: 03/03/22 13:05
Date Received: 03/07/22 12:10
Sample Depth: 4'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.5		5.05		mg/Kg			03/12/22 14:40	1

Client Sample ID: TT-2 @ 5

Lab Sample ID: 880-12110-16
Matrix: Solid

Date Collected: 03/03/22 13:10
Date Received: 03/07/22 12:10
Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 14:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 14:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 14:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/16/22 08:30	03/16/22 14:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 14:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/16/22 08:30	03/16/22 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/16/22 08:30*	*03/16/22 14:57*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/16/22 08:30*	*03/16/22 14:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 22:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 22:35	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*03/15/22 10:57*	*03/15/22 22:35*	*1*
o-Terphenyl	*122*		*70 - 130*	*03/15/22 10:57*	*03/15/22 22:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.5		4.98		mg/Kg			03/12/22 14:58	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 6

Date Collected: 03/03/22 13:15
Date Received: 03/07/22 12:10
Sample Depth: 6'

Lab Sample ID: 880-12110-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/16/22 08:30	03/16/22 15:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/16/22 08:30	03/16/22 15:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/16/22 08:30	03/16/22 15:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/16/22 08:30	03/16/22 15:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/16/22 08:30	03/16/22 15:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/16/22 08:30	03/16/22 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/16/22 08:30*	*03/16/22 15:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/16/22 08:30*	*03/16/22 15:17*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**56.7**		50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 22:56	1
Diesel Range Organics (Over C10-C28)	**56.7**		50.0		mg/Kg		03/15/22 10:57	03/15/22 22:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*03/15/22 10:57*	*03/15/22 22:56*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/15/22 22:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.9**		4.95		mg/Kg			03/12/22 15:04	1

Client Sample ID: TT-3 @ 0.5

Date Collected: 03/03/22 14:10
Date Received: 03/07/22 12:10
Sample Depth: 0.5'

Lab Sample ID: 880-12110-20
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**7.13**		0.100		mg/Kg		03/15/22 12:43	03/16/22 01:56	50
Toluene	**61.9**		0.998		mg/Kg		03/16/22 09:01	03/16/22 18:35	500
Ethylbenzene	**54.2**		0.998		mg/Kg		03/16/22 09:01	03/16/22 18:35	500
m-Xylene & p-Xylene	**68.6**		2.00		mg/Kg		03/16/22 09:01	03/16/22 18:35	500
o-Xylene	**26.0**		0.998		mg/Kg		03/16/22 09:01	03/16/22 18:35	500
Xylenes, Total	**94.6**		2.00		mg/Kg		03/16/22 09:01	03/16/22 18:35	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*854*	*S1+*	*70 - 130*	*03/15/22 12:43*	*03/16/22 01:56*	*50*

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 0.5

Lab Sample ID: 880-12110-20
Matrix: Solid

Date Collected: 03/03/22 14:10
Date Received: 03/07/22 12:10
Sample Depth: 0.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/15/22 12:43*	*03/16/22 01:56*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**218**		2.00	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**10000**		250	mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**2790**		250	mg/Kg		03/11/22 09:52	03/12/22 07:37	5
Diesel Range Organics (Over C10-C28)	**7210**		250	mg/Kg		03/11/22 09:52	03/12/22 07:37	5
Oil Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/11/22 09:52	03/12/22 07:37	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*189*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 07:37*	*5*
o-Terphenyl	*123*		*70 - 130*	*03/11/22 09:52*	*03/12/22 07:37*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7450**		99.0	mg/Kg			03/12/22 15:33	20

Client Sample ID: TT-3 @ 1

Lab Sample ID: 880-12110-21
Matrix: Solid

Date Collected: 03/03/22 14:15
Date Received: 03/07/22 12:10
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.54**		0.199	mg/Kg		03/15/22 12:43	03/16/22 11:00	100
Toluene	**36.4**		0.199	mg/Kg		03/15/22 12:43	03/16/22 11:00	100
Ethylbenzene	**36.6**		0.199	mg/Kg		03/15/22 12:43	03/16/22 11:00	100
m-Xylene & p-Xylene	**51.6**		0.398	mg/Kg		03/15/22 12:43	03/16/22 11:00	100
o-Xylene	**20.1**		0.199	mg/Kg		03/15/22 12:43	03/16/22 11:00	100
Xylenes, Total	**71.7**		0.398	mg/Kg		03/15/22 12:43	03/16/22 11:00	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*233*	*S1+*	*70 - 130*	*03/15/22 12:43*	*03/16/22 11:00*	*100*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*03/15/22 12:43*	*03/16/22 11:00*	*100*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**146**		0.398	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**8360**		250	mg/Kg			03/14/22 09:29	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 1

Lab Sample ID: 880-12110-21
Matrix: Solid
Date Collected: 03/03/22 14:15
Date Received: 03/07/22 12:10
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1850		250	mg/Kg		03/15/22 10:57	03/16/22 04:28	5
Diesel Range Organics (Over C10-C28)	6510		250	mg/Kg		03/15/22 10:57	03/16/22 04:28	5
Oil Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/15/22 10:57	03/16/22 04:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*162*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 04:28*	*5*
o-Terphenyl	*130*		*70 - 130*	*03/15/22 10:57*	*03/16/22 04:28*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6470		49.7	mg/Kg			03/12/22 15:39	10

Client Sample ID: TT-3 @ 2

Lab Sample ID: 880-12110-22
Matrix: Solid
Date Collected: 03/03/22 14:20
Date Received: 03/07/22 12:10
Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	5.36		0.996	mg/Kg		03/17/22 08:30	03/17/22 16:03	500
Toluene	63.1		0.996	mg/Kg		03/17/22 08:30	03/17/22 16:03	500
Ethylbenzene	50.8		0.996	mg/Kg		03/17/22 08:30	03/17/22 16:03	500
m-Xylene & p-Xylene	75.4		1.99	mg/Kg		03/17/22 08:30	03/17/22 16:03	500
o-Xylene	28.7		0.996	mg/Kg		03/17/22 08:30	03/17/22 16:03	500
Xylenes, Total	104		1.99	mg/Kg		03/17/22 08:30	03/17/22 16:03	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*03/17/22 08:30*	*03/17/22 16:03*	*500*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*03/17/22 08:30*	*03/17/22 16:03*	*500*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	223		1.99	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10700		250	mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2970		250	mg/Kg		03/15/22 10:57	03/16/22 04:52	5
Diesel Range Organics (Over C10-C28)	7740		250	mg/Kg		03/15/22 10:57	03/16/22 04:52	5
Oil Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/15/22 10:57	03/16/22 04:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*175*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 04:52*	*5*
o-Terphenyl	*124*		*70 - 130*	*03/15/22 10:57*	*03/16/22 04:52*	*5*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 2

Lab Sample ID: 880-12110-22
Matrix: Solid
Date Collected: 03/03/22 14:20
Date Received: 03/07/22 12:10
Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8400		49.6		mg/Kg			03/12/22 15:45	10

Client Sample ID: TT-3 @ 3

Lab Sample ID: 880-12110-23
Matrix: Solid
Date Collected: 03/03/22 14:25
Date Received: 03/07/22 12:10
Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.01		0.202		mg/Kg		03/16/22 08:30	03/16/22 19:50	100
Toluene	31.8		0.202		mg/Kg		03/16/22 08:30	03/16/22 19:50	100
Ethylbenzene	31.2		0.202		mg/Kg		03/16/22 08:30	03/16/22 19:50	100
m-Xylene & p-Xylene	48.3		0.404		mg/Kg		03/16/22 08:30	03/16/22 19:50	100
o-Xylene	21.3		0.202		mg/Kg		03/16/22 08:30	03/16/22 19:50	100
Xylenes, Total	69.6		0.404		mg/Kg		03/16/22 08:30	03/16/22 19:50	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/16/22 08:30*	*03/16/22 19:50*	*100*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*03/16/22 08:30*	*03/16/22 19:50*	*100*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	134		0.404		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	9570		250		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2410		250		mg/Kg		03/15/22 10:57	03/16/22 05:14	5
Diesel Range Organics (Over C10-C28)	7160		250		mg/Kg		03/15/22 10:57	03/16/22 05:14	5
OII Range Organics (Over C28-C36)	<250	U	250		mg/Kg		03/15/22 10:57	03/16/22 05:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*178*	*S1+*	*70 - 130*	*03/15/22 10:57*	*03/16/22 05:14*	*5*
o-Terphenyl	*125*		*70 - 130*	*03/15/22 10:57*	*03/16/22 05:14*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6800		50.0		mg/Kg			03/12/22 15:51	10

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 4

Date Collected: 03/03/22 14:30
Date Received: 03/07/22 12:10
Sample Depth: 4'

Lab Sample ID: 880-12110-24
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/16/22 13:35	03/17/22 03:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/16/22 13:35	03/17/22 03:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/16/22 13:35	03/17/22 03:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/16/22 13:35	03/17/22 03:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/16/22 13:35	03/17/22 03:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/16/22 13:35	03/17/22 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/16/22 13:35*	*03/17/22 03:46*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/16/22 13:35*	*03/17/22 03:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 23:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 23:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/15/22 10:57*	*03/15/22 23:18*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/15/22 10:57*	*03/15/22 23:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		4.99		mg/Kg			03/12/22 15:57	1

Client Sample ID: TT-3 @ 5

Date Collected: 03/03/22 14:35
Date Received: 03/07/22 12:10
Sample Depth: 5'

Lab Sample ID: 880-12110-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/15/22 12:43	03/16/22 08:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 08:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/15/22 12:43	03/16/22 08:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/15/22 12:43*	*03/16/22 08:41*	*1*

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 5

Lab Sample ID: 880-12110-25
Matrix: Solid
Date Collected: 03/03/22 14:35
Date Received: 03/07/22 12:10
Sample Depth: 5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/15/22 12:43*	*03/16/22 08:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/15/22 10:57	03/15/22 23:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/15/22 10:57	03/15/22 23:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/15/22 10:57	03/15/22 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*106*		*70 - 130*	*03/15/22 10:57*	*03/15/22 23:40*	*1*
o-Terphenyl	*116*		*70 - 130*	*03/15/22 10:57*	*03/15/22 23:40*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.82**		4.97	mg/Kg			03/12/22 16:03	1

Client Sample ID: TT-3 @ 6

Lab Sample ID: 880-12110-26
Matrix: Solid
Date Collected: 03/03/22 14:40
Date Received: 03/07/22 12:10
Sample Depth: 6'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/15/22 12:43	03/16/22 09:01	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/15/22 12:43	03/16/22 09:01	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/15/22 12:43	03/16/22 09:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/15/22 12:43	03/16/22 09:01	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/15/22 12:43	03/16/22 09:01	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/15/22 12:43	03/16/22 09:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/15/22 12:43*	*03/16/22 09:01*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/15/22 12:43*	*03/16/22 09:01*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/14/22 09:29	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 6

Date Collected: 03/03/22 14:40
Date Received: 03/07/22 12:10
Sample Depth: 6'

Lab Sample ID: 880-12110-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/22 10:57	03/16/22 00:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/22 10:57	03/16/22 00:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/22 10:57	03/16/22 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*03/15/22 10:57*	*03/16/22 00:03*	*1*
o-Terphenyl	*97*		*70 - 130*	*03/15/22 10:57*	*03/16/22 00:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.7**		4.95		mg/Kg			03/12/22 16:20	1

Client Sample ID: TT-4 @ 0.5

Date Collected: 03/03/22 15:40
Date Received: 03/07/22 12:10
Sample Depth: 0.5'

Lab Sample ID: 880-12110-30
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0998	U	0.0998		mg/Kg		03/14/22 12:48	03/15/22 00:58	50
Toluene	**3.76**		0.0998		mg/Kg		03/14/22 12:48	03/15/22 00:58	50
Ethylbenzene	**11.6**		0.0998		mg/Kg		03/14/22 12:48	03/15/22 00:58	50
m-Xylene & p-Xylene	**17.5**		0.200		mg/Kg		03/14/22 12:48	03/15/22 00:58	50
o-Xylene	**7.70**		0.0998		mg/Kg		03/14/22 12:48	03/15/22 00:58	50
Xylenes, Total	**25.2**		0.200		mg/Kg		03/14/22 12:48	03/15/22 00:58	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*240*	*S1+*	*70 - 130*	*03/14/22 12:48*	*03/15/22 00:58*	*50*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/14/22 12:48*	*03/15/22 00:58*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**40.6**		0.200		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**17200**		250		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1060**		250		mg/Kg		03/11/22 09:52	03/12/22 08:01	5
Diesel Range Organics (Over C10-C28)	**16100**		250		mg/Kg		03/11/22 09:52	03/12/22 08:01	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		03/11/22 09:52	03/12/22 08:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*156*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 08:01*	*5*
o-Terphenyl	*125*		*70 - 130*	*03/11/22 09:52*	*03/12/22 08:01*	*5*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 0.5

Lab Sample ID: 880-12110-30
Matrix: Solid
Date Collected: 03/03/22 15:40
Date Received: 03/07/22 12:10
Sample Depth: 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.95		mg/Kg			03/12/22 16:56	1

Client Sample ID: TT-4 @ 1

Lab Sample ID: 880-12110-31
Matrix: Solid
Date Collected: 03/03/22 15:45
Date Received: 03/07/22 12:10
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/15/22 12:43	03/16/22 09:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/15/22 12:43	03/16/22 09:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/15/22 12:43	03/16/22 09:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/15/22 12:43	03/16/22 09:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/15/22 12:43	03/16/22 09:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/15/22 12:43	03/16/22 09:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/15/22 12:43*	*03/16/22 09:22*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*03/15/22 12:43*	*03/16/22 09:22*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/22 10:57	03/16/22 00:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/22 10:57	03/16/22 00:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/22 10:57	03/16/22 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*03/15/22 10:57*	*03/16/22 00:27*	*1*
o-Terphenyl	*112*		*70 - 130*	*03/15/22 10:57*	*03/16/22 00:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.3		5.05		mg/Kg			03/12/22 17:01	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 2

Date Collected: 03/03/22 15:50
Date Received: 03/07/22 12:10
Sample Depth: 2'

Lab Sample ID: 880-12110-32
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 09:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 09:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 09:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/15/22 12:43	03/16/22 09:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/16/22 09:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/15/22 12:43	03/16/22 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/15/22 12:43*	*03/16/22 09:42*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*03/15/22 12:43*	*03/16/22 09:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**83.8**		50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/16/22 00:50	1
Diesel Range Organics (Over C10-C28)	**83.8**		50.0		mg/Kg		03/15/22 10:57	03/16/22 00:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/16/22 00:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/15/22 10:57*	*03/16/22 00:50*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/15/22 10:57*	*03/16/22 00:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.12**		4.98		mg/Kg			03/12/22 17:07	1

Client Sample ID: TT-4 @ 3

Date Collected: 03/03/22 15:55
Date Received: 03/07/22 12:10
Sample Depth: 3'

Lab Sample ID: 880-12110-33
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/16/22 08:30	03/16/22 18:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/16/22 08:30	03/16/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*03/16/22 08:30*	*03/16/22 18:09*	*1*

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 3

Date Collected: 03/03/22 15:55
Date Received: 03/07/22 12:10
Sample Depth: 3'

Lab Sample ID: 880-12110-33

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/16/22 08:30*	*03/16/22 18:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/15/22 13:44	03/16/22 04:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/16/22 04:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/16/22 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/15/22 13:44*	*03/16/22 04:04*	*1*
o-Terphenyl	*107*		*70 - 130*	*03/15/22 13:44*	*03/16/22 04:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.8**		5.00		mg/Kg			03/12/22 17:13	1

Client Sample ID: TT-4 @ 4

Date Collected: 03/03/22 16:00
Date Received: 03/07/22 12:10
Sample Depth: 4'

Lab Sample ID: 880-12110-34

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/16/22 08:30	03/16/22 18:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/16/22 08:30	03/16/22 18:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/16/22 08:30	03/16/22 18:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/16/22 08:30	03/16/22 18:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/16/22 08:30	03/16/22 18:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/16/22 08:30	03/16/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/16/22 08:30*	*03/16/22 18:29*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/16/22 08:30*	*03/16/22 18:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:29	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 4

Lab Sample ID: 880-12110-34
Matrix: Solid
Date Collected: 03/03/22 16:00
Date Received: 03/07/22 12:10
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/15/22 13:44	03/16/22 04:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/22 13:44	03/16/22 04:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/22 13:44	03/16/22 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/15/22 13:44*	*03/16/22 04:28*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/15/22 13:44*	*03/16/22 04:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.0**		5.00		mg/Kg			03/12/22 17:19	1

Client Sample ID: TT-4 @ 5

Lab Sample ID: 880-12110-35
Matrix: Solid
Date Collected: 03/03/22 16:05
Date Received: 03/07/22 12:10
Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/22 08:30	03/16/22 18:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 18:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/22 08:30	03/16/22 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/16/22 08:30*	*03/16/22 18:49*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/16/22 08:30*	*03/16/22 18:49*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/15/22 13:44	03/16/22 04:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/22 13:44	03/16/22 04:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/22 13:44	03/16/22 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*03/15/22 13:44*	*03/16/22 04:52*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/15/22 13:44*	*03/16/22 04:52*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 5

Lab Sample ID: 880-12110-35
Matrix: Solid

Date Collected: 03/03/22 16:05
Date Received: 03/07/22 12:10
Sample Depth: 5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.7		5.04		mg/Kg			03/13/22 08:44	1

Client Sample ID: TT-4 @ 6

Lab Sample ID: 880-12110-36
Matrix: Solid

Date Collected: 03/03/22 16:10
Date Received: 03/07/22 12:10
Sample Depth: 6'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/16/22 08:30	03/16/22 19:10	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/16/22 08:30	03/16/22 19:10	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/22 08:30	03/16/22 19:10	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/16/22 08:30	03/16/22 19:10	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/16/22 08:30	03/16/22 19:10	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/16/22 08:30	03/16/22 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/16/22 08:30*	*03/16/22 19:10*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/16/22 08:30*	*03/16/22 19:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/15/22 13:44	03/16/22 05:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/16/22 05:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/16/22 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*03/15/22 13:44*	*03/16/22 05:14*	*1*
o-Terphenyl	*111*		*70 - 130*	*03/15/22 13:44*	*03/16/22 05:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.5		4.97		mg/Kg			03/13/22 08:49	1

Client Sample ID: Dup-1

Lab Sample ID: 880-12110-40
Matrix: Solid

Date Collected: 03/03/22 16:40
Date Received: 03/07/22 12:10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.151		0.0994		mg/Kg		03/14/22 12:48	03/15/22 01:19	50

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: Dup-1

Date Collected: 03/03/22 16:40
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-40

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Toluene	13.3		0.0994		mg/Kg		03/14/22 12:48	03/15/22 01:19	50
Ethylbenzene	19.3		0.0994		mg/Kg		03/14/22 12:48	03/15/22 01:19	50
m-Xylene & p-Xylene	25.2		0.199		mg/Kg		03/14/22 12:48	03/15/22 01:19	50
o-Xylene	9.35		0.0994		mg/Kg		03/14/22 12:48	03/15/22 01:19	50
Xylenes, Total	34.6		0.199		mg/Kg		03/14/22 12:48	03/15/22 01:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*322*	*S1+*	*70 - 130*	*03/14/22 12:48*	*03/15/22 01:19*	*50*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/14/22 12:48*	*03/15/22 01:19*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	67.3		0.199		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3670		49.9		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1090		49.9		mg/Kg		03/11/22 09:52	03/12/22 08:23	1
Diesel Range Organics (Over C10-C28)	2580		49.9		mg/Kg		03/11/22 09:52	03/12/22 08:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/11/22 09:52	03/12/22 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*153*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 08:23*	*1*
o-Terphenyl	*126*		*70 - 130*	*03/11/22 09:52*	*03/12/22 08:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2510		25.3		mg/Kg			03/13/22 09:25	5

Client Sample ID: Dup-2

Date Collected: 03/03/22 16:45
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-41

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.129		0.0499		mg/Kg		03/14/22 12:48	03/15/22 01:39	25
Toluene	0.0852		0.0499		mg/Kg		03/14/22 12:48	03/15/22 01:39	25
Ethylbenzene	0.663		0.0499		mg/Kg		03/14/22 12:48	03/15/22 01:39	25
m-Xylene & p-Xylene	0.451		0.0998		mg/Kg		03/14/22 12:48	03/15/22 01:39	25
o-Xylene	0.992		0.0499		mg/Kg		03/14/22 12:48	03/15/22 01:39	25
Xylenes, Total	1.44		0.0998		mg/Kg		03/14/22 12:48	03/15/22 01:39	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*03/14/22 12:48*	*03/15/22 01:39*	*25*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/14/22 12:48*	*03/15/22 01:39*	*25*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: Dup-2

Date Collected: 03/03/22 16:45
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-41
Matrix: Solid

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**2.32**		0.0998		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**4500**		250		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<250	U	250		mg/Kg		03/11/22 09:52	03/12/22 08:46	5
Diesel Range Organics (Over C10-C28)	**4500**		250		mg/Kg		03/11/22 09:52	03/12/22 08:46	5
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		03/11/22 09:52	03/12/22 08:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*03/11/22 09:52*	*03/12/22 08:46*	*5*
o-Terphenyl	*99*		*70 - 130*	*03/11/22 09:52*	*03/12/22 08:46*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**145**		4.97		mg/Kg			03/13/22 09:31	1

Client Sample ID: Dup-3

Date Collected: 03/03/22 16:50
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-42
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2.19**		0.0990		mg/Kg		03/13/22 12:58	03/13/22 22:34	50
Toluene	**19.8**		0.0990		mg/Kg		03/13/22 12:58	03/13/22 22:34	50
Ethylbenzene	**15.4**		0.0990		mg/Kg		03/13/22 12:58	03/13/22 22:34	50
m-Xylene & p-Xylene	**23.7**		0.198		mg/Kg		03/13/22 12:58	03/13/22 22:34	50
o-Xylene	**10.5**		0.0990		mg/Kg		03/13/22 12:58	03/13/22 22:34	50
Xylenes, Total	**34.2**		0.198		mg/Kg		03/13/22 12:58	03/13/22 22:34	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*03/13/22 12:58*	*03/13/22 22:34*	*50*
1,4-Difluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*03/13/22 12:58*	*03/13/22 22:34*	*50*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**71.6**		0.198		mg/Kg			03/14/22 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**7060**		250		mg/Kg			03/14/22 09:29	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**1850**		250		mg/Kg		03/11/22 09:52	03/12/22 09:08	5
Diesel Range Organics (Over C10-C28)	**5210**		250		mg/Kg		03/11/22 09:52	03/12/22 09:08	5

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: Dup-3

Date Collected: 03/03/22 16:50
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-42

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<250	U	250		mg/Kg		03/11/22 09:52	03/12/22 09:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*174*	*S1+*	*70 - 130*	*03/11/22 09:52*	*03/12/22 09:08*	*5*
o-Terphenyl	*122*		*70 - 130*	*03/11/22 09:52*	*03/12/22 09:08*	*5*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8350**		49.6		mg/Kg			03/13/22 09:37	10

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12097-A-1-S MS	Matrix Spike	102	114
880-12097-A-1-T MSD	Matrix Spike Duplicate	98	103
880-12110-1	TT-1 @ 0.5	173 S1+	102
880-12110-2	TT-1 @ 1	77	77
880-12110-3	TT-1 @ 2	86	90
880-12110-4	TT-1 @ 3	104	103
880-12110-4 MS	TT-1 @ 3	96	102
880-12110-4 MSD	TT-1 @ 3	95	101
880-12110-5	TT-1 @ 4	105	106
880-12110-6	TT-1 @ 5	75	107
880-12110-7	TT-1 @ 6	105	105
880-12110-11	TT-2 @ 0.5	181 S1+	101
880-12110-12	TT-2 @ 1	81	77
880-12110-13	TT-2 @ 2	89	80
880-12110-14	TT-2 @ 3	80	78
880-12110-15	TT-2 @ 4	107	84
880-12110-16	TT-2 @ 5	109	102
880-12110-17	TT-2 @ 6	111	105
880-12110-20	TT-3 @ 0.5	854 S1+	105
880-12110-21	TT-3 @ 1	233 S1+	111
880-12110-22	TT-3 @ 2	85	93
880-12110-23	TT-3 @ 3	101	84
880-12110-24	TT-3 @ 4	106	109
880-12110-25	TT-3 @ 5	107	104
880-12110-26	TT-3 @ 6	105	99
880-12110-30	TT-4 @ 0.5	240 S1+	99
880-12110-31	TT-4 @ 1	107	107
880-12110-32	TT-4 @ 2	104	109
880-12110-33	TT-4 @ 3	103	103
880-12110-34	TT-4 @ 4	107	105
880-12110-35	TT-4 @ 5	109	105
880-12110-36	TT-4 @ 6	105	103
880-12110-40	Dup-1	322 S1+	99
880-12110-41	Dup-2	129	100
880-12110-42	Dup-3	74	59 S1-
880-12263-A-1-H MS	Matrix Spike	112	95
880-12263-A-1-I MSD	Matrix Spike Duplicate	2911 S1+	176 S1+
880-12319-A-1-B MS	Matrix Spike	106	114
880-12319-A-1-C MSD	Matrix Spike Duplicate	104	112
880-12320-A-3-F MS	Matrix Spike	112	89
880-12320-A-3-G MSD	Matrix Spike Duplicate	128	97
880-12431-A-1-A MS	Matrix Spike	112	106
880-12431-A-1-B MSD	Matrix Spike Duplicate	110	113
890-2070-A-1-B MS	Matrix Spike	106	113
890-2070-A-1-C MSD	Matrix Spike Duplicate	104	112
LCS 880-21146/1-A	Lab Control Sample	94	98
LCS 880-21538/1-A	Lab Control Sample	99	111
LCS 880-21653/1-A	Lab Control Sample	106	113
LCS 880-21671/1-A	Lab Control Sample	96	100

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 880-12110-1
Project/Site: HEP: Hobbs LACT 571 SDG: Hobbs NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-21696/1-A	Lab Control Sample	101	111
LCS 880-21697/1-A	Lab Control Sample	98	100
LCS 880-21701/1-A	Lab Control Sample	101	112
LCSD 880-21146/2-A	Lab Control Sample Dup	97	101
LCSD 880-21538/2-A	Lab Control Sample Dup	101	111
LCSD 880-21653/2-A	Lab Control Sample Dup	103	112
LCSD 880-21671/2-A	Lab Control Sample Dup	117	94
LCSD 880-21696/2-A	Lab Control Sample Dup	103	112
LCSD 880-21697/2-A	Lab Control Sample Dup	99	100
LCSD 880-21701/2-A	Lab Control Sample Dup	102	111
MB 880-21012/5-A	Method Blank	95	100
MB 880-21146/5-A	Method Blank	97	99
MB 880-21301/5-A	Method Blank	101	104
MB 880-21455/5-A	Method Blank	100	103
MB 880-21538/5-A	Method Blank	102	104
MB 880-21653/5-A	Method Blank	100	103
MB 880-21671/5-A	Method Blank	97	99
MB 880-21696/5-A	Method Blank	101	104
MB 880-21697/5-A	Method Blank	97	100
MB 880-21701/5-A	Method Blank	101	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12110-1	TT-1 @ 0.5	194 S1+	139 S1+
880-12110-2	TT-1 @ 1	152 S1+	104
880-12110-3	TT-1 @ 2	154 S1+	136 S1+
880-12110-4	TT-1 @ 3	112	115
880-12110-4 MS	TT-1 @ 3	115	101
880-12110-4 MSD	TT-1 @ 3	119	101
880-12110-5	TT-1 @ 4	116	123
880-12110-6	TT-1 @ 5	93	98
880-12110-7	TT-1 @ 6	118	121
880-12110-11	TT-2 @ 0.5	199 S1+	145 S1+
880-12110-12	TT-2 @ 1	144 S1+	127
880-12110-13	TT-2 @ 2	142 S1+	130
880-12110-14	TT-2 @ 3	119	110
880-12110-15	TT-2 @ 4	106	110
880-12110-16	TT-2 @ 5	112	122
880-12110-17	TT-2 @ 6	125	133 S1+
880-12110-20	TT-3 @ 0.5	189 S1+	123
880-12110-21	TT-3 @ 1	162 S1+	130
880-12110-22	TT-3 @ 2	175 S1+	124
880-12110-23	TT-3 @ 3	178 S1+	125

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 880-12110-1
Project/Site: HEP: Hobbs LACT 571 SDG: Hobbs NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-12110-24	TT-3 @ 4	106	116								
880-12110-25	TT-3 @ 5	106	116								
880-12110-26	TT-3 @ 6	88	97								
880-12110-30	TT-4 @ 0.5	156 S1+	125								
880-12110-31	TT-4 @ 1	106	112								
880-12110-32	TT-4 @ 2	104	110								
880-12110-33	TT-4 @ 3	102	107								
880-12110-34	TT-4 @ 4	100	106								
880-12110-35	TT-4 @ 5	85	90								
880-12110-36	TT-4 @ 6	107	111								
880-12110-40	Dup-1	153 S1+	126								
880-12110-41	Dup-2	110	99								
880-12110-42	Dup-3	174 S1+	122								
880-12309-A-1-B MS	Matrix Spike	106	91								
880-12309-A-1-C MSD	Matrix Spike Duplicate	103	89								
890-2066-A-1-B MS	Matrix Spike	90	80								
890-2066-A-1-C MSD	Matrix Spike Duplicate	92	83								
LCS 880-21371/2-A	Lab Control Sample	110	97								
LCS 880-21638/2-A	Lab Control Sample	86	78								
LCS 880-21654/2-A	Lab Control Sample	125	130								
LCSD 880-21371/3-A	Lab Control Sample Dup	132 S1+	120								
LCSD 880-21638/3-A	Lab Control Sample Dup	95	90								
LCSD 880-21654/3-A	Lab Control Sample Dup	115	125								
MB 880-21371/1-A	Method Blank	125	126								
MB 880-21638/1-A	Method Blank	104	114								
MB 880-21654/1-A	Method Blank	96	100								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21012/5-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21012

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/11/22 16:00	03/13/22 07:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/11/22 16:00	03/13/22 07:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*03/11/22 16:00*	*03/13/22 07:08*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*03/11/22 16:00*	*03/13/22 07:08*	*1*

Lab Sample ID: MB 880-21146/5-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21146

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:58	03/13/22 19:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/22 12:58	03/13/22 19:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/13/22 12:58*	*03/13/22 19:01*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/13/22 12:58*	*03/13/22 19:01*	*1*

Lab Sample ID: LCS 880-21146/1-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21146

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09993		mg/Kg		100	70 - 130		
Toluene			0.100	0.09490		mg/Kg		95	70 - 130		
Ethylbenzene			0.100	0.09416		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.2203		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1080		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-21146/2-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1051		mg/Kg		105	70 - 130	5	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 880-21146/2-A
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21146

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.1004		mg/Kg		100	70 - 130	6	35
Ethylbenzene			0.100	0.09886		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2316		mg/Kg		116	70 - 130	5	35
o-Xylene			0.100	0.1131		mg/Kg		113	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 880-12263-A-1-H MS
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.100	0.04828	F1	mg/Kg		48	70 - 130		
Toluene	<0.00199	U F2 F1	0.100	0.05479	F1	mg/Kg		54	70 - 130		
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06147	F1	mg/Kg		61	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1430		mg/Kg		71	70 - 130		
o-Xylene	<0.00199	U F2 F1	0.100	0.07492		mg/Kg		75	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-12263-A-1-I MSD
Matrix: Solid
Analysis Batch: 21440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21146

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0996	0.04152	F1	mg/Kg		42	70 - 130	15	35
Toluene	<0.00199	U F2 F1	0.0996	0.002562	F2 F1	mg/Kg		2	70 - 130	182	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*2911*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*176*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-21301/5-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21301

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 17:00	03/15/22 12:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/14/22 17:00	03/15/22 12:00	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobs NM

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

Lab Sample ID: MB 880-21301/5-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21301

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/14/22 17:00	03/15/22 12:00	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/14/22 17:00	03/15/22 12:00	1

Lab Sample ID: MB 880-21455/5-A
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21455

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/13/22 12:38	03/14/22 11:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/13/22 12:38	03/14/22 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/13/22 12:38	03/14/22 11:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/13/22 12:38	03/14/22 11:20	1

Lab Sample ID: MB 880-21538/5-A
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21538

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/22 12:48	03/14/22 22:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/22 12:48	03/14/22 22:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/22 12:48	03/14/22 22:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/14/22 12:48	03/14/22 22:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/22 12:48	03/14/22 22:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/14/22 12:48	03/14/22 22:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	03/14/22 12:48	03/14/22 22:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/14/22 12:48	03/14/22 22:13	1

Lab Sample ID: LCS 880-21538/1-A
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21538

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09930		mg/Kg		99	70 - 130		
Toluene			0.100	0.09612		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.09423		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1967		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09636		mg/Kg		96	70 - 130		

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-21538/1-A
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21538

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-21538/2-A
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21538

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09990		mg/Kg		100	70 - 130	1	35
Toluene			0.100	0.09719		mg/Kg		97	70 - 130	1	35
Ethylbenzene			0.100	0.09615		mg/Kg		96	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2013		mg/Kg		101	70 - 130	2	35
o-Xylene			0.100	0.09817		mg/Kg		98	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-12097-A-1-S MS
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U F1 F2	0.0996	0.05823	F1	mg/Kg		58	70 - 130		
Toluene	<0.00202	U F1	0.0996	0.03943	F1	mg/Kg		40	70 - 130		
Ethylbenzene	<0.00202	U F1	0.0996	0.02269	F1	mg/Kg		23	70 - 130		
m-Xylene & p-Xylene	<0.00403	U F1	0.199	0.04966	F1	mg/Kg		25	70 - 130		
o-Xylene	<0.00202	U F1	0.0996	0.02444	F1	mg/Kg		25	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-12097-A-1-T MSD
Matrix: Solid
Analysis Batch: 21464

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1 F2	0.100	0.03510	F1 F2	mg/Kg		35	70 - 130	50	35
Toluene	<0.00202	U F1	0.100	0.03202	F1	mg/Kg		32	70 - 130	21	35
Ethylbenzene	<0.00202	U F1	0.100	0.02400	F1	mg/Kg		24	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U F1	0.200	0.05301	F1	mg/Kg		26	70 - 130	7	35
o-Xylene	<0.00202	U F1	0.100	0.02706	F1	mg/Kg		27	70 - 130	10	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: MB 880-21653/5-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21653

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/15/22 23:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/15/22 23:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/15/22 23:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/15/22 12:43	03/15/22 23:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/22 12:43	03/15/22 23:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/15/22 12:43	03/15/22 23:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/15/22 12:43*	*03/15/22 23:10*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/15/22 12:43*	*03/15/22 23:10*	*1*

Lab Sample ID: LCS 880-21653/1-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21653

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1041		mg/Kg		104	70 - 130		
Toluene			0.100	0.1017		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1007		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2097		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1097		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: LCSD 880-21653/2-A
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21653

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1037		mg/Kg		104	70 - 130	0	35
Toluene			0.100	0.1021		mg/Kg		102	70 - 130	0	35
Ethylbenzene			0.100	0.1005		mg/Kg		100	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2095		mg/Kg		105	70 - 130	0	35
o-Xylene			0.100	0.1067		mg/Kg		107	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 880-12431-A-1-A MS
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21653

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U F1	0.100	0.06144	F1	mg/Kg		61	70 - 130		
Toluene	<0.00202	U F1	0.100	0.06726	F1	mg/Kg		66	70 - 130		

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: 880-12431-A-1-A MS
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21653

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.07166		mg/Kg		70	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1541		mg/Kg		75	70 - 130
o-Xylene	0.00205		0.100	0.08194		mg/Kg		80	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-12431-A-1-B MSD
Matrix: Solid
Analysis Batch: 21616

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21653

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U F1	0.0998	0.08517		mg/Kg		85	70 - 130	32	35
Toluene	<0.00202	U F1	0.0998	0.08570		mg/Kg		84	70 - 130	24	35
Ethylbenzene	<0.00202	U	0.0998	0.08625		mg/Kg		85	70 - 130	18	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1843		mg/Kg		91	70 - 130	18	35
o-Xylene	0.00205		0.0998	0.09306		mg/Kg		91	70 - 130	13	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*

Lab Sample ID: MB 880-21671/5-A
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21671

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 12:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 12:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/22 08:30	03/16/22 12:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 08:30	03/16/22 12:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/22 08:30	03/16/22 12:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*03/16/22 08:30*	*03/16/22 12:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/16/22 08:30*	*03/16/22 12:46*	*1*

Lab Sample ID: LCS 880-21671/1-A
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09790		mg/Kg		98	70 - 130
Toluene	0.100	0.09802		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.09868		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2326		mg/Kg		116	70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-21671/1-A
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1127		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-21671/2-A
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08406		mg/Kg		84	70 - 130	15	35
Toluene			0.100	0.09580		mg/Kg		96	70 - 130	2	35
Ethylbenzene			0.100	0.09954		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2456		mg/Kg		123	70 - 130	5	35
o-Xylene			0.100	0.1229		mg/Kg		123	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-12110-4 MS
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: TT-1 @ 3
Prep Type: Total/NA
Prep Batch: 21671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0992	0.09702		mg/Kg		98	70 - 130		
Toluene	<0.00200	U	0.0992	0.09476		mg/Kg		95	70 - 130		
Ethylbenzene	<0.00200	U	0.0992	0.09501		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	<0.00399	U	0.198	0.2246		mg/Kg		113	70 - 130		
o-Xylene	<0.00200	U	0.0992	0.1093		mg/Kg		110	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-12110-4 MSD
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: TT-1 @ 3
Prep Type: Total/NA
Prep Batch: 21671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09505		mg/Kg		95	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.09336		mg/Kg		93	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.09347		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2208		mg/Kg		110	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.1083		mg/Kg		108	70 - 130	1	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: 880-12110-4 MSD
Matrix: Solid
Analysis Batch: 21692

Client Sample ID: TT-1 @ 3
Prep Type: Total/NA
Prep Batch: 21671

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-21696/5-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21696

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 09:01	03/16/22 15:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/22 09:01	03/16/22 15:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/16/22 09:01	03/16/22 15:09	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/16/22 09:01	03/16/22 15:09	1

Lab Sample ID: LCS 880-21696/1-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21696

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1007		mg/Kg		101	70 - 130		
Toluene			0.100	0.1005		mg/Kg		100	70 - 130		
Ethylbenzene			0.100	0.1012		mg/Kg		101	70 - 130		
m-Xylene & p-Xylene			0.200	0.2099		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1033		mg/Kg		103	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-21696/2-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21696

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1008		mg/Kg		101	70 - 130	0	35
Toluene			0.100	0.09932		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.1013		mg/Kg		101	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2104		mg/Kg		105	70 - 130	0	35
o-Xylene			0.100	0.1037		mg/Kg		104	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 880-21696/2-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21696

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 890-2070-A-1-B MS
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09469		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.09298		mg/Kg		93	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09512		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.201	0.1980		mg/Kg		99	70 - 130
o-Xylene	<0.00200	U	0.100	0.09770		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: 890-2070-A-1-C MSD
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08648		mg/Kg		86	70 - 130	9	35
Toluene	<0.00200	U	0.100	0.08473		mg/Kg		85	70 - 130	9	35
Ethylbenzene	<0.00200	U	0.100	0.08638		mg/Kg		86	70 - 130	10	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1801		mg/Kg		90	70 - 130	9	35
o-Xylene	<0.00200	U	0.100	0.08791		mg/Kg		88	70 - 130	11	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-21697/5-A
Matrix: Solid
Analysis Batch: 21774

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21697

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/17/22 08:30	03/17/22 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/17/22 08:30	03/17/22 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/17/22 08:30	03/17/22 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/17/22 08:30	03/17/22 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/17/22 08:30	03/17/22 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/17/22 08:30	03/17/22 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	03/17/22 08:30	03/17/22 12:07	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/17/22 08:30	03/17/22 12:07	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-21697/1-A
Matrix: Solid
Analysis Batch: 21774

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21697

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08591		mg/Kg		86	70 - 130		
Toluene			0.100	0.08605		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.08745		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene			0.200	0.2003		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1012		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: LCSD 880-21697/2-A
Matrix: Solid
Analysis Batch: 21774

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21697

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1022		mg/Kg		102	70 - 130	17	35
Toluene			0.100	0.09993		mg/Kg		100	70 - 130	15	35
Ethylbenzene			0.100	0.09959		mg/Kg		100	70 - 130	13	35
m-Xylene & p-Xylene			0.200	0.2354		mg/Kg		118	70 - 130	16	35
o-Xylene			0.100	0.1145		mg/Kg		115	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 880-12320-A-3-F MS
Matrix: Solid
Analysis Batch: 21774

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0998	0.07400		mg/Kg		73	70 - 130		
Toluene	<0.00201	U	0.0998	0.08657		mg/Kg		85	70 - 130		
Ethylbenzene	<0.00201	U	0.0998	0.08452		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2012		mg/Kg		101	70 - 130		
o-Xylene	<0.00201	U	0.0998	0.09510		mg/Kg		95	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: 880-12320-A-3-G MSD
Matrix: Solid
Analysis Batch: 21774

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21697

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.101	0.08368		mg/Kg		82	70 - 130	12	35
Toluene	<0.00201	U	0.101	0.09310		mg/Kg		91	70 - 130	7	35
Ethylbenzene	<0.00201	U	0.101	0.09334		mg/Kg		92	70 - 130	10	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobs NM

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

Lab Sample ID: 880-12320-A-3-G MSD
Matrix: Solid
Analysis Batch: 21774

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21697

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00402	U	0.202	0.2269		mg/Kg		113	70 - 130	12	35
o-Xylene	<0.00201	U	0.101	0.1095		mg/Kg		109	70 - 130	14	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 880-21701/5-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21701

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/22 13:35	03/17/22 02:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/22 13:35	03/17/22 02:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/22 13:35	03/17/22 02:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/22 13:35	03/17/22 02:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/22 13:35	03/17/22 02:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/22 13:35	03/17/22 02:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*03/16/22 13:35*	*03/17/22 02:03*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/16/22 13:35*	*03/17/22 02:03*	*1*

Lab Sample ID: LCS 880-21701/1-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21701

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1056		mg/Kg		106	70 - 130		
Toluene			0.100	0.1031		mg/Kg		103	70 - 130		
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130		
m-Xylene & p-Xylene			0.200	0.2103		mg/Kg		105	70 - 130		
o-Xylene			0.100	0.1067		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-21701/2-A
Matrix: Solid
Analysis Batch: 21704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21701

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1001		mg/Kg		100	70 - 130	5	35
Toluene			0.100	0.09798		mg/Kg		98	70 - 130	5	35
Ethylbenzene			0.100	0.09746		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2018		mg/Kg		101	70 - 130	4	35
o-Xylene			0.100	0.1012		mg/Kg		101	70 - 130	5	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-12319-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 21704 — **Prep Batch: 21701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1	0.0996	0.06450	F1	mg/Kg		65	70 - 130
Toluene	<0.00201	U F1	0.0996	0.05326	F1	mg/Kg		53	70 - 130
Ethylbenzene	<0.00201	U F1	0.0996	0.04538	F1	mg/Kg		46	70 - 130
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.09150	F1	mg/Kg		46	70 - 130
o-Xylene	<0.00201	U F1	0.0996	0.04469	F1	mg/Kg		45	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: 880-12319-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 21704 — **Prep Batch: 21701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1	0.100	0.06839	F1	mg/Kg		68	70 - 130	6	35
Toluene	<0.00201	U F1	0.100	0.05523	F1	mg/Kg		55	70 - 130	4	35
Ethylbenzene	<0.00201	U F1	0.100	0.04626	F1	mg/Kg		46	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.09275	F1	mg/Kg		46	70 - 130	1	35
o-Xylene	<0.00201	U F1	0.100	0.04528	F1	mg/Kg		45	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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

Lab Sample ID: MB 880-21371/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 21357 — **Prep Batch: 21371**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/11/22 09:52	03/12/22 05:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/11/22 09:52	03/12/22 05:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/11/22 09:52	03/12/22 05:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	03/11/22 09:52	03/12/22 05:08	1
o-Terphenyl	126		70 - 130	03/11/22 09:52	03/12/22 05:08	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-21371/2-A
Matrix: Solid
Analysis Batch: 21357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21371

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	848.4		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1009		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: LCSD 880-21371/3-A
Matrix: Solid
Analysis Batch: 21357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21371

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	955.3		mg/Kg		96	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1220		mg/Kg		122	70 - 130	19	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*132*	*S1+*	*70 - 130*
o-Terphenyl	*120*		*70 - 130*

Lab Sample ID: 880-12309-A-1-B MS
Matrix: Solid
Analysis Batch: 21357

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21371

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	1444	F1	mg/Kg		141	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1460	F1	mg/Kg		146	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*106*		*70 - 130*
o-Terphenyl	*91*		*70 - 130*

Lab Sample ID: 880-12309-A-1-C MSD
Matrix: Solid
Analysis Batch: 21357

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21371

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	998	1422	F1	mg/Kg		139	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	998	1426	F1	mg/Kg		143	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: 880-12309-A-1-C MSD
Matrix: Solid
Analysis Batch: 21357

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21371

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	89		70 - 130

Lab Sample ID: MB 880-21638/1-A
Matrix: Solid
Analysis Batch: 21611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21638

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 19:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 10:57	03/15/22 19:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	03/15/22 10:57	03/15/22 19:54	1
o-Terphenyl	114		70 - 130	03/15/22 10:57	03/15/22 19:54	1

Lab Sample ID: LCS 880-21638/2-A
Matrix: Solid
Analysis Batch: 21611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21638

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	982.3		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	730.2		mg/Kg		73	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: LCSD 880-21638/3-A
Matrix: Solid
Analysis Batch: 21611

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21638

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1034		mg/Kg		103	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	864.3		mg/Kg		86	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	90		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Lab Sample ID: 880-12110-4 MS
Matrix: Solid
Analysis Batch: 21611

Client Sample ID: TT-1 @ 3
Prep Type: Total/NA
Prep Batch: 21638

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1173		mg/Kg		113	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1240		mg/Kg		124	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: 880-12110-4 MSD
Matrix: Solid
Analysis Batch: 21611

Client Sample ID: TT-1 @ 3
Prep Type: Total/NA
Prep Batch: 21638

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	998	1087		mg/Kg		105	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.8	U	998	1272		mg/Kg		127	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Lab Sample ID: MB 880-21654/1-A
Matrix: Solid
Analysis Batch: 21609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 21654

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/15/22 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/15/22 19:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 13:44	03/15/22 19:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/15/22 13:44*	*03/15/22 19:54*	*1*
o-Terphenyl	*100*		*70 - 130*	*03/15/22 13:44*	*03/15/22 19:54*	*1*

Lab Sample ID: LCS 880-21654/2-A
Matrix: Solid
Analysis Batch: 21609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21654

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1076		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1203		mg/Kg		120	70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobs NM

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

Lab Sample ID: LCS 880-21654/2-A
Matrix: Solid
Analysis Batch: 21609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21654

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: LCSD 880-21654/3-A
Matrix: Solid
Analysis Batch: 21609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 21654

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	874.0	*1	mg/Kg		87	70 - 130	21	20
Diesel Range Organics (Over C10-C28)			1000	1188		mg/Kg		119	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	125		70 - 130

Lab Sample ID: 890-2066-A-1-B MS
Matrix: Solid
Analysis Batch: 21609

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 21654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	998	879.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	998	779.6		mg/Kg		76	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	80		70 - 130

Lab Sample ID: 890-2066-A-1-C MSD
Matrix: Solid
Analysis Batch: 21609

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 21654

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	999	888.4		mg/Kg		87	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	999	808.4		mg/Kg		78	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	83		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21131/1-A
Matrix: Solid
Analysis Batch: 21435

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/12/22 10:14	1

Lab Sample ID: LCS 880-21131/2-A
Matrix: Solid
Analysis Batch: 21435

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	254.3		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-21131/3-A
Matrix: Solid
Analysis Batch: 21435

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	255.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-12110-5 MS
Matrix: Solid
Analysis Batch: 21435

Client Sample ID: TT-1 @ 4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6.35		249	267.1		mg/Kg		105	90 - 110		

Lab Sample ID: 880-12110-5 MSD
Matrix: Solid
Analysis Batch: 21435

Client Sample ID: TT-1 @ 4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.35		249	270.2		mg/Kg		106	90 - 110	1	20

Lab Sample ID: MB 880-21132/1-A
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/12/22 14:22	1

Lab Sample ID: LCS 880-21132/2-A
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	233.5		mg/Kg		93	90 - 110		

Lab Sample ID: LCSD 880-21132/3-A
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	238.0		mg/Kg		95	90 - 110	2	20

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobs NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-12110-15 MS
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: TT-2 @ 4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	98.5		253	366.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-12110-15 MSD
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: TT-2 @ 4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.5		253	369.6		mg/Kg		107	90 - 110	1	20

Lab Sample ID: 880-12110-25 MS
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: TT-3 @ 5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.82		249	250.4		mg/Kg		98	90 - 110

Lab Sample ID: 880-12110-25 MSD
Matrix: Solid
Analysis Batch: 21436

Client Sample ID: TT-3 @ 5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.82		249	253.8		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-21134/1-A
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/13/22 06:46	1

Lab Sample ID: LCS 880-21134/2-A
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	250.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-21134/3-A
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.8		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-12079-A-18-G MS
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.1		250	275.6		mg/Kg		105	90 - 110

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-12079-A-18-H MSD
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.1		250	277.3		mg/Kg		106	90 - 110	1	20

Lab Sample ID: 880-12098-A-4-G MS
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6950		1240	7136	4	mg/Kg		15	90 - 110

Lab Sample ID: 880-12098-A-4-H MSD
Matrix: Solid
Analysis Batch: 21439

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6950		1240	7560	E 4	mg/Kg		49	90 - 110	NC	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC VOA

Prep Batch: 21012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21012/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 21146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-42	Dup-3	Total/NA	Solid	5035	
MB 880-21146/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21301/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 21440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-42	Dup-3	Total/NA	Solid	8021B	21146
MB 880-21012/5-A	Method Blank	Total/NA	Solid	8021B	21012
MB 880-21146/5-A	Method Blank	Total/NA	Solid	8021B	21146
LCS 880-21146/1-A	Lab Control Sample	Total/NA	Solid	8021B	21146
LCSD 880-21146/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21146
880-12263-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	21146
880-12263-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21146

Prep Batch: 21455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21455/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 21464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Total/NA	Solid	8021B	21538
880-12110-11	TT-2 @ 0.5	Total/NA	Solid	8021B	21538
880-12110-30	TT-4 @ 0.5	Total/NA	Solid	8021B	21538
880-12110-40	Dup-1	Total/NA	Solid	8021B	21538
880-12110-41	Dup-2	Total/NA	Solid	8021B	21538
MB 880-21455/5-A	Method Blank	Total/NA	Solid	8021B	21455
MB 880-21538/5-A	Method Blank	Total/NA	Solid	8021B	21538
LCS 880-21538/1-A	Lab Control Sample	Total/NA	Solid	8021B	21538
LCSD 880-21538/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21538
880-12097-A-1-S MS	Matrix Spike	Total/NA	Solid	8021B	21538
880-12097-A-1-T MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21538

Prep Batch: 21538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Total/NA	Solid	5035	
880-12110-11	TT-2 @ 0.5	Total/NA	Solid	5035	
880-12110-30	TT-4 @ 0.5	Total/NA	Solid	5035	
880-12110-40	Dup-1	Total/NA	Solid	5035	
880-12110-41	Dup-2	Total/NA	Solid	5035	
MB 880-21538/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC VOA (Continued)

Prep Batch: 21538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-21538/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21538/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12097-A-1-S MS	Matrix Spike	Total/NA	Solid	5035	
880-12097-A-1-T MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Total/NA	Solid	Total BTEX	
880-12110-2	TT-1 @ 1	Total/NA	Solid	Total BTEX	
880-12110-3	TT-1 @ 2	Total/NA	Solid	Total BTEX	
880-12110-4	TT-1 @ 3	Total/NA	Solid	Total BTEX	
880-12110-5	TT-1 @ 4	Total/NA	Solid	Total BTEX	
880-12110-6	TT-1 @ 5	Total/NA	Solid	Total BTEX	
880-12110-7	TT-1 @ 6	Total/NA	Solid	Total BTEX	
880-12110-11	TT-2 @ 0.5	Total/NA	Solid	Total BTEX	
880-12110-12	TT-2 @ 1	Total/NA	Solid	Total BTEX	
880-12110-13	TT-2 @ 2	Total/NA	Solid	Total BTEX	
880-12110-14	TT-2 @ 3	Total/NA	Solid	Total BTEX	
880-12110-15	TT-2 @ 4	Total/NA	Solid	Total BTEX	
880-12110-16	TT-2 @ 5	Total/NA	Solid	Total BTEX	
880-12110-17	TT-2 @ 6	Total/NA	Solid	Total BTEX	
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	Total BTEX	
880-12110-21	TT-3 @ 1	Total/NA	Solid	Total BTEX	
880-12110-22	TT-3 @ 2	Total/NA	Solid	Total BTEX	
880-12110-23	TT-3 @ 3	Total/NA	Solid	Total BTEX	
880-12110-24	TT-3 @ 4	Total/NA	Solid	Total BTEX	
880-12110-25	TT-3 @ 5	Total/NA	Solid	Total BTEX	
880-12110-26	TT-3 @ 6	Total/NA	Solid	Total BTEX	
880-12110-30	TT-4 @ 0.5	Total/NA	Solid	Total BTEX	
880-12110-31	TT-4 @ 1	Total/NA	Solid	Total BTEX	
880-12110-32	TT-4 @ 2	Total/NA	Solid	Total BTEX	
880-12110-33	TT-4 @ 3	Total/NA	Solid	Total BTEX	
880-12110-34	TT-4 @ 4	Total/NA	Solid	Total BTEX	
880-12110-35	TT-4 @ 5	Total/NA	Solid	Total BTEX	
880-12110-36	TT-4 @ 6	Total/NA	Solid	Total BTEX	
880-12110-40	Dup-1	Total/NA	Solid	Total BTEX	
880-12110-41	Dup-2	Total/NA	Solid	Total BTEX	
880-12110-42	Dup-3	Total/NA	Solid	Total BTEX	

Analysis Batch: 21616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-5	TT-1 @ 4	Total/NA	Solid	8021B	21653
880-12110-6	TT-1 @ 5	Total/NA	Solid	8021B	21653
880-12110-7	TT-1 @ 6	Total/NA	Solid	8021B	21653
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	8021B	21653
880-12110-21	TT-3 @ 1	Total/NA	Solid	8021B	21653
880-12110-25	TT-3 @ 5	Total/NA	Solid	8021B	21653
880-12110-26	TT-3 @ 6	Total/NA	Solid	8021B	21653
880-12110-31	TT-4 @ 1	Total/NA	Solid	8021B	21653
880-12110-32	TT-4 @ 2	Total/NA	Solid	8021B	21653
MB 880-21301/5-A	Method Blank	Total/NA	Solid	8021B	21301

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC VOA (Continued)

Analysis Batch: 21616 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21653/5-A	Method Blank	Total/NA	Solid	8021B	21653
LCS 880-21653/1-A	Lab Control Sample	Total/NA	Solid	8021B	21653
LCSD 880-21653/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21653
880-12431-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	21653
880-12431-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21653

Prep Batch: 21653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-5	TT-1 @ 4	Total/NA	Solid	5035	
880-12110-6	TT-1 @ 5	Total/NA	Solid	5035	
880-12110-7	TT-1 @ 6	Total/NA	Solid	5035	
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	5035	
880-12110-21	TT-3 @ 1	Total/NA	Solid	5035	
880-12110-25	TT-3 @ 5	Total/NA	Solid	5035	
880-12110-26	TT-3 @ 6	Total/NA	Solid	5035	
880-12110-31	TT-4 @ 1	Total/NA	Solid	5035	
880-12110-32	TT-4 @ 2	Total/NA	Solid	5035	
MB 880-21653/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21653/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21653/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12431-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-12431-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-2	TT-1 @ 1	Total/NA	Solid	5035	
880-12110-3	TT-1 @ 2	Total/NA	Solid	5035	
880-12110-4	TT-1 @ 3	Total/NA	Solid	5035	
880-12110-12	TT-2 @ 1	Total/NA	Solid	5035	
880-12110-13	TT-2 @ 2	Total/NA	Solid	5035	
880-12110-14	TT-2 @ 3	Total/NA	Solid	5035	
880-12110-15	TT-2 @ 4	Total/NA	Solid	5035	
880-12110-16	TT-2 @ 5	Total/NA	Solid	5035	
880-12110-17	TT-2 @ 6	Total/NA	Solid	5035	
880-12110-23	TT-3 @ 3	Total/NA	Solid	5035	
880-12110-33	TT-4 @ 3	Total/NA	Solid	5035	
880-12110-34	TT-4 @ 4	Total/NA	Solid	5035	
880-12110-35	TT-4 @ 5	Total/NA	Solid	5035	
880-12110-36	TT-4 @ 6	Total/NA	Solid	5035	
MB 880-21671/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21671/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21671/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12110-4 MS	TT-1 @ 3	Total/NA	Solid	5035	
880-12110-4 MSD	TT-1 @ 3	Total/NA	Solid	5035	

Analysis Batch: 21692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-2	TT-1 @ 1	Total/NA	Solid	8021B	21671
880-12110-3	TT-1 @ 2	Total/NA	Solid	8021B	21671
880-12110-4	TT-1 @ 3	Total/NA	Solid	8021B	21671
880-12110-12	TT-2 @ 1	Total/NA	Solid	8021B	21671

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC VOA (Continued)

Analysis Batch: 21692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-13	TT-2 @ 2	Total/NA	Solid	8021B	21671
880-12110-14	TT-2 @ 3	Total/NA	Solid	8021B	21671
880-12110-15	TT-2 @ 4	Total/NA	Solid	8021B	21671
880-12110-16	TT-2 @ 5	Total/NA	Solid	8021B	21671
880-12110-17	TT-2 @ 6	Total/NA	Solid	8021B	21671
880-12110-23	TT-3 @ 3	Total/NA	Solid	8021B	21671
880-12110-33	TT-4 @ 3	Total/NA	Solid	8021B	21671
880-12110-34	TT-4 @ 4	Total/NA	Solid	8021B	21671
880-12110-35	TT-4 @ 5	Total/NA	Solid	8021B	21671
880-12110-36	TT-4 @ 6	Total/NA	Solid	8021B	21671
MB 880-21671/5-A	Method Blank	Total/NA	Solid	8021B	21671
LCS 880-21671/1-A	Lab Control Sample	Total/NA	Solid	8021B	21671
LCSD 880-21671/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21671
880-12110-4 MS	TT-1 @ 3	Total/NA	Solid	8021B	21671
880-12110-4 MSD	TT-1 @ 3	Total/NA	Solid	8021B	21671

Prep Batch: 21696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	5035	
MB 880-21696/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21696/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21696/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2070-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-2070-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-22	TT-3 @ 2	Total/NA	Solid	5035	
MB 880-21697/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21697/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21697/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12320-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-12320-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 21701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-24	TT-3 @ 4	Total/NA	Solid	5035	
MB 880-21701/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21701/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21701/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12319-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-12319-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 21704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	8021B	21696
880-12110-24	TT-3 @ 4	Total/NA	Solid	8021B	21701
MB 880-21696/5-A	Method Blank	Total/NA	Solid	8021B	21696
MB 880-21701/5-A	Method Blank	Total/NA	Solid	8021B	21701
LCS 880-21696/1-A	Lab Control Sample	Total/NA	Solid	8021B	21696
LCS 880-21701/1-A	Lab Control Sample	Total/NA	Solid	8021B	21701

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC VOA (Continued)

Analysis Batch: 21704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-21696/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21696
LCSD 880-21701/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21701
880-12319-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	21701
880-12319-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21701
890-2070-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	21696
890-2070-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21696

Analysis Batch: 21774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-22	TT-3 @ 2	Total/NA	Solid	8021B	21697
MB 880-21697/5-A	Method Blank	Total/NA	Solid	8021B	21697
LCS 880-21697/1-A	Lab Control Sample	Total/NA	Solid	8021B	21697
LCSD 880-21697/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21697
880-12320-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	21697
880-12320-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21697

GC Semi VOA

Analysis Batch: 21357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21371/1-A	Method Blank	Total/NA	Solid	8015B NM	21371
LCS 880-21371/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21371
LCSD 880-21371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21371
880-12309-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	21371
880-12309-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21371

Analysis Batch: 21359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Total/NA	Solid	8015B NM	21371
880-12110-11	TT-2 @ 0.5	Total/NA	Solid	8015B NM	21371
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	8015B NM	21371
880-12110-30	TT-4 @ 0.5	Total/NA	Solid	8015B NM	21371
880-12110-40	Dup-1	Total/NA	Solid	8015B NM	21371
880-12110-41	Dup-2	Total/NA	Solid	8015B NM	21371
880-12110-42	Dup-3	Total/NA	Solid	8015B NM	21371

Prep Batch: 21371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Total/NA	Solid	8015NM Prep	
880-12110-11	TT-2 @ 0.5	Total/NA	Solid	8015NM Prep	
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	8015NM Prep	
880-12110-30	TT-4 @ 0.5	Total/NA	Solid	8015NM Prep	
880-12110-40	Dup-1	Total/NA	Solid	8015NM Prep	
880-12110-41	Dup-2	Total/NA	Solid	8015NM Prep	
880-12110-42	Dup-3	Total/NA	Solid	8015NM Prep	
MB 880-21371/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21371/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21371/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12309-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12309-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC Semi VOA

Analysis Batch: 21503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Total/NA	Solid	8015 NM	
880-12110-2	TT-1 @ 1	Total/NA	Solid	8015 NM	
880-12110-3	TT-1 @ 2	Total/NA	Solid	8015 NM	
880-12110-4	TT-1 @ 3	Total/NA	Solid	8015 NM	
880-12110-5	TT-1 @ 4	Total/NA	Solid	8015 NM	
880-12110-6	TT-1 @ 5	Total/NA	Solid	8015 NM	
880-12110-7	TT-1 @ 6	Total/NA	Solid	8015 NM	
880-12110-11	TT-2 @ 0.5	Total/NA	Solid	8015 NM	
880-12110-12	TT-2 @ 1	Total/NA	Solid	8015 NM	
880-12110-13	TT-2 @ 2	Total/NA	Solid	8015 NM	
880-12110-14	TT-2 @ 3	Total/NA	Solid	8015 NM	
880-12110-15	TT-2 @ 4	Total/NA	Solid	8015 NM	
880-12110-16	TT-2 @ 5	Total/NA	Solid	8015 NM	
880-12110-17	TT-2 @ 6	Total/NA	Solid	8015 NM	
880-12110-20	TT-3 @ 0.5	Total/NA	Solid	8015 NM	
880-12110-21	TT-3 @ 1	Total/NA	Solid	8015 NM	
880-12110-22	TT-3 @ 2	Total/NA	Solid	8015 NM	
880-12110-23	TT-3 @ 3	Total/NA	Solid	8015 NM	
880-12110-24	TT-3 @ 4	Total/NA	Solid	8015 NM	
880-12110-25	TT-3 @ 5	Total/NA	Solid	8015 NM	
880-12110-26	TT-3 @ 6	Total/NA	Solid	8015 NM	
880-12110-30	TT-4 @ 0.5	Total/NA	Solid	8015 NM	
880-12110-31	TT-4 @ 1	Total/NA	Solid	8015 NM	
880-12110-32	TT-4 @ 2	Total/NA	Solid	8015 NM	
880-12110-33	TT-4 @ 3	Total/NA	Solid	8015 NM	
880-12110-34	TT-4 @ 4	Total/NA	Solid	8015 NM	
880-12110-35	TT-4 @ 5	Total/NA	Solid	8015 NM	
880-12110-36	TT-4 @ 6	Total/NA	Solid	8015 NM	
880-12110-40	Dup-1	Total/NA	Solid	8015 NM	
880-12110-41	Dup-2	Total/NA	Solid	8015 NM	
880-12110-42	Dup-3	Total/NA	Solid	8015 NM	

Analysis Batch: 21609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-33	TT-4 @ 3	Total/NA	Solid	8015B NM	21654
880-12110-34	TT-4 @ 4	Total/NA	Solid	8015B NM	21654
880-12110-35	TT-4 @ 5	Total/NA	Solid	8015B NM	21654
880-12110-36	TT-4 @ 6	Total/NA	Solid	8015B NM	21654
MB 880-21654/1-A	Method Blank	Total/NA	Solid	8015B NM	21654
LCS 880-21654/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21654
LCSD 880-21654/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21654
890-2066-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	21654
890-2066-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	21654

Analysis Batch: 21611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-2	TT-1 @ 1	Total/NA	Solid	8015B NM	21638
880-12110-3	TT-1 @ 2	Total/NA	Solid	8015B NM	21638
880-12110-4	TT-1 @ 3	Total/NA	Solid	8015B NM	21638
880-12110-5	TT-1 @ 4	Total/NA	Solid	8015B NM	21638
880-12110-6	TT-1 @ 5	Total/NA	Solid	8015B NM	21638

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC Semi VOA (Continued)

Analysis Batch: 21611 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-7	TT-1 @ 6	Total/NA	Solid	8015B NM	21638
880-12110-12	TT-2 @ 1	Total/NA	Solid	8015B NM	21638
880-12110-13	TT-2 @ 2	Total/NA	Solid	8015B NM	21638
880-12110-14	TT-2 @ 3	Total/NA	Solid	8015B NM	21638
880-12110-15	TT-2 @ 4	Total/NA	Solid	8015B NM	21638
880-12110-16	TT-2 @ 5	Total/NA	Solid	8015B NM	21638
880-12110-17	TT-2 @ 6	Total/NA	Solid	8015B NM	21638
880-12110-21	TT-3 @ 1	Total/NA	Solid	8015B NM	21638
880-12110-22	TT-3 @ 2	Total/NA	Solid	8015B NM	21638
880-12110-23	TT-3 @ 3	Total/NA	Solid	8015B NM	21638
880-12110-24	TT-3 @ 4	Total/NA	Solid	8015B NM	21638
880-12110-25	TT-3 @ 5	Total/NA	Solid	8015B NM	21638
880-12110-26	TT-3 @ 6	Total/NA	Solid	8015B NM	21638
880-12110-31	TT-4 @ 1	Total/NA	Solid	8015B NM	21638
880-12110-32	TT-4 @ 2	Total/NA	Solid	8015B NM	21638
MB 880-21638/1-A	Method Blank	Total/NA	Solid	8015B NM	21638
LCS 880-21638/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21638
LCSD 880-21638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21638
880-12110-4 MS	TT-1 @ 3	Total/NA	Solid	8015B NM	21638
880-12110-4 MSD	TT-1 @ 3	Total/NA	Solid	8015B NM	21638

Prep Batch: 21638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-2	TT-1 @ 1	Total/NA	Solid	8015NM Prep	
880-12110-3	TT-1 @ 2	Total/NA	Solid	8015NM Prep	
880-12110-4	TT-1 @ 3	Total/NA	Solid	8015NM Prep	
880-12110-5	TT-1 @ 4	Total/NA	Solid	8015NM Prep	
880-12110-6	TT-1 @ 5	Total/NA	Solid	8015NM Prep	
880-12110-7	TT-1 @ 6	Total/NA	Solid	8015NM Prep	
880-12110-12	TT-2 @ 1	Total/NA	Solid	8015NM Prep	
880-12110-13	TT-2 @ 2	Total/NA	Solid	8015NM Prep	
880-12110-14	TT-2 @ 3	Total/NA	Solid	8015NM Prep	
880-12110-15	TT-2 @ 4	Total/NA	Solid	8015NM Prep	
880-12110-16	TT-2 @ 5	Total/NA	Solid	8015NM Prep	
880-12110-17	TT-2 @ 6	Total/NA	Solid	8015NM Prep	
880-12110-21	TT-3 @ 1	Total/NA	Solid	8015NM Prep	
880-12110-22	TT-3 @ 2	Total/NA	Solid	8015NM Prep	
880-12110-23	TT-3 @ 3	Total/NA	Solid	8015NM Prep	
880-12110-24	TT-3 @ 4	Total/NA	Solid	8015NM Prep	
880-12110-25	TT-3 @ 5	Total/NA	Solid	8015NM Prep	
880-12110-26	TT-3 @ 6	Total/NA	Solid	8015NM Prep	
880-12110-31	TT-4 @ 1	Total/NA	Solid	8015NM Prep	
880-12110-32	TT-4 @ 2	Total/NA	Solid	8015NM Prep	
MB 880-21638/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21638/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21638/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12110-4 MS	TT-1 @ 3	Total/NA	Solid	8015NM Prep	
880-12110-4 MSD	TT-1 @ 3	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

GC Semi VOA

Prep Batch: 21654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-33	TT-4 @ 3	Total/NA	Solid	8015NM Prep	
880-12110-34	TT-4 @ 4	Total/NA	Solid	8015NM Prep	
880-12110-35	TT-4 @ 5	Total/NA	Solid	8015NM Prep	
880-12110-36	TT-4 @ 6	Total/NA	Solid	8015NM Prep	
MB 880-21654/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21654/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21654/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2066-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2066-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 21131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Soluble	Solid	DI Leach	
880-12110-2	TT-1 @ 1	Soluble	Solid	DI Leach	
880-12110-3	TT-1 @ 2	Soluble	Solid	DI Leach	
880-12110-4	TT-1 @ 3	Soluble	Solid	DI Leach	
880-12110-5	TT-1 @ 4	Soluble	Solid	DI Leach	
880-12110-6	TT-1 @ 5	Soluble	Solid	DI Leach	
880-12110-7	TT-1 @ 6	Soluble	Solid	DI Leach	
880-12110-8	TT-1 @ 7	Soluble	Solid	DI Leach	
880-12110-9	TT-1 @ 8	Soluble	Solid	DI Leach	
880-12110-10	TT-1 @ 9	Soluble	Solid	DI Leach	
880-12110-11	TT-2 @ 0.5	Soluble	Solid	DI Leach	
880-12110-12	TT-2 @ 1	Soluble	Solid	DI Leach	
880-12110-13	TT-2 @ 2	Soluble	Solid	DI Leach	
880-12110-14	TT-2 @ 3	Soluble	Solid	DI Leach	
MB 880-21131/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21131/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21131/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12110-5 MS	TT-1 @ 4	Soluble	Solid	DI Leach	
880-12110-5 MSD	TT-1 @ 4	Soluble	Solid	DI Leach	

Leach Batch: 21132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-15	TT-2 @ 4	Soluble	Solid	DI Leach	
880-12110-16	TT-2 @ 5	Soluble	Solid	DI Leach	
880-12110-17	TT-2 @ 6	Soluble	Solid	DI Leach	
880-12110-20	TT-3 @ 0.5	Soluble	Solid	DI Leach	
880-12110-21	TT-3 @ 1	Soluble	Solid	DI Leach	
880-12110-22	TT-3 @ 2	Soluble	Solid	DI Leach	
880-12110-23	TT-3 @ 3	Soluble	Solid	DI Leach	
880-12110-24	TT-3 @ 4	Soluble	Solid	DI Leach	
880-12110-25	TT-3 @ 5	Soluble	Solid	DI Leach	
880-12110-26	TT-3 @ 6	Soluble	Solid	DI Leach	
880-12110-30	TT-4 @ 0.5	Soluble	Solid	DI Leach	
880-12110-31	TT-4 @ 1	Soluble	Solid	DI Leach	
880-12110-32	TT-4 @ 2	Soluble	Solid	DI Leach	
880-12110-33	TT-4 @ 3	Soluble	Solid	DI Leach	
880-12110-34	TT-4 @ 4	Soluble	Solid	DI Leach	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

HPLC/IC (Continued)

Leach Batch: 21132 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21132/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21132/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21132/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12110-15 MS	TT-2 @ 4	Soluble	Solid	DI Leach	
880-12110-15 MSD	TT-2 @ 4	Soluble	Solid	DI Leach	
880-12110-25 MS	TT-3 @ 5	Soluble	Solid	DI Leach	
880-12110-25 MSD	TT-3 @ 5	Soluble	Solid	DI Leach	

Leach Batch: 21134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-35	TT-4 @ 5	Soluble	Solid	DI Leach	
880-12110-36	TT-4 @ 6	Soluble	Solid	DI Leach	
880-12110-40	Dup-1	Soluble	Solid	DI Leach	
880-12110-41	Dup-2	Soluble	Solid	DI Leach	
880-12110-42	Dup-3	Soluble	Solid	DI Leach	
MB 880-21134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12079-A-18-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12079-A-18-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
880-12098-A-4-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12098-A-4-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 21435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-1	TT-1 @ 0.5	Soluble	Solid	300.0	21131
880-12110-2	TT-1 @ 1	Soluble	Solid	300.0	21131
880-12110-3	TT-1 @ 2	Soluble	Solid	300.0	21131
880-12110-4	TT-1 @ 3	Soluble	Solid	300.0	21131
880-12110-5	TT-1 @ 4	Soluble	Solid	300.0	21131
880-12110-6	TT-1 @ 5	Soluble	Solid	300.0	21131
880-12110-7	TT-1 @ 6	Soluble	Solid	300.0	21131
880-12110-8	TT-1 @ 7	Soluble	Solid	300.0	21131
880-12110-9	TT-1 @ 8	Soluble	Solid	300.0	21131
880-12110-10	TT-1 @ 9	Soluble	Solid	300.0	21131
880-12110-11	TT-2 @ 0.5	Soluble	Solid	300.0	21131
880-12110-12	TT-2 @ 1	Soluble	Solid	300.0	21131
880-12110-13	TT-2 @ 2	Soluble	Solid	300.0	21131
880-12110-14	TT-2 @ 3	Soluble	Solid	300.0	21131
MB 880-21131/1-A	Method Blank	Soluble	Solid	300.0	21131
LCS 880-21131/2-A	Lab Control Sample	Soluble	Solid	300.0	21131
LCSD 880-21131/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21131
880-12110-5 MS	TT-1 @ 4	Soluble	Solid	300.0	21131
880-12110-5 MSD	TT-1 @ 4	Soluble	Solid	300.0	21131

Analysis Batch: 21436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-15	TT-2 @ 4	Soluble	Solid	300.0	21132
880-12110-16	TT-2 @ 5	Soluble	Solid	300.0	21132
880-12110-17	TT-2 @ 6	Soluble	Solid	300.0	21132
880-12110-20	TT-3 @ 0.5	Soluble	Solid	300.0	21132

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

HPLC/IC (Continued)

Analysis Batch: 21436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-21	TT-3 @ 1	Soluble	Solid	300.0	21132
880-12110-22	TT-3 @ 2	Soluble	Solid	300.0	21132
880-12110-23	TT-3 @ 3	Soluble	Solid	300.0	21132
880-12110-24	TT-3 @ 4	Soluble	Solid	300.0	21132
880-12110-25	TT-3 @ 5	Soluble	Solid	300.0	21132
880-12110-26	TT-3 @ 6	Soluble	Solid	300.0	21132
880-12110-30	TT-4 @ 0.5	Soluble	Solid	300.0	21132
880-12110-31	TT-4 @ 1	Soluble	Solid	300.0	21132
880-12110-32	TT-4 @ 2	Soluble	Solid	300.0	21132
880-12110-33	TT-4 @ 3	Soluble	Solid	300.0	21132
880-12110-34	TT-4 @ 4	Soluble	Solid	300.0	21132
MB 880-21132/1-A	Method Blank	Soluble	Solid	300.0	21132
LCS 880-21132/2-A	Lab Control Sample	Soluble	Solid	300.0	21132
LCSD 880-21132/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21132
880-12110-15 MS	TT-2 @ 4	Soluble	Solid	300.0	21132
880-12110-15 MSD	TT-2 @ 4	Soluble	Solid	300.0	21132
880-12110-25 MS	TT-3 @ 5	Soluble	Solid	300.0	21132
880-12110-25 MSD	TT-3 @ 5	Soluble	Solid	300.0	21132

Analysis Batch: 21439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12110-35	TT-4 @ 5	Soluble	Solid	300.0	21134
880-12110-36	TT-4 @ 6	Soluble	Solid	300.0	21134
880-12110-40	Dup-1	Soluble	Solid	300.0	21134
880-12110-41	Dup-2	Soluble	Solid	300.0	21134
880-12110-42	Dup-3	Soluble	Solid	300.0	21134
MB 880-21134/1-A	Method Blank	Soluble	Solid	300.0	21134
LCS 880-21134/2-A	Lab Control Sample	Soluble	Solid	300.0	21134
LCSD 880-21134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21134
880-12079-A-18-G MS	Matrix Spike	Soluble	Solid	300.0	21134
880-12079-A-18-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21134
880-12098-A-4-G MS	Matrix Spike	Soluble	Solid	300.0	21134
880-12098-A-4-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21134

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 0.5
Date Collected: 03/03/22 10:50
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21538	03/14/22 12:48	MR	XEN MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	21464	03/14/22 23:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21359	03/12/22 06:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 11:30	CH	XEN MID

Client Sample ID: TT-1 @ 1
Date Collected: 03/03/22 10:55
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 15:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 02:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		20			21435	03/12/22 11:36	CH	XEN MID

Client Sample ID: TT-1 @ 2
Date Collected: 03/03/22 11:00
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 15:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 02:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		10			21435	03/12/22 11:42	CH	XEN MID

Client Sample ID: TT-1 @ 3
Date Collected: 03/03/22 11:05
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 13:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 3
Date Collected: 03/03/22 11:05
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 20:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 11:48	CH	XEN MID

Client Sample ID: TT-1 @ 4
Date Collected: 03/03/22 11:10
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 04:02	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 21:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 11:54	CH	XEN MID

Client Sample ID: TT-1 @ 5
Date Collected: 03/03/22 11:15
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	21616	03/16/22 10:03	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/16/22 01:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:11	CH	XEN MID

Client Sample ID: TT-1 @ 6
Date Collected: 03/03/22 11:20
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 08:00	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 22:15	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-1 @ 6
Date Collected: 03/03/22 11:20
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:17	CH	XEN MID

Client Sample ID: TT-1 @ 7
Date Collected: 03/03/22 11:25
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:35	CH	XEN MID

Client Sample ID: TT-1 @ 8
Date Collected: 03/03/22 11:30
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:41	CH	XEN MID

Client Sample ID: TT-1 @ 9
Date Collected: 03/03/22 11:35
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:47	CH	XEN MID

Client Sample ID: TT-2 @ 0.5
Date Collected: 03/03/22 12:45
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	21538	03/14/22 12:48	MR	XEN MID
Total/NA	Analysis	8021B		200	5 mL	5 mL	21464	03/15/22 00:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21359	03/12/22 07:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:53	CH	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 1
Date Collected: 03/03/22 12:50
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21692	03/16/22 13:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 03:14	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 12:59	CH	XEN MID

Client Sample ID: TT-2 @ 2
Date Collected: 03/03/22 12:55
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21692	03/16/22 13:56	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 03:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 13:04	CH	XEN MID

Client Sample ID: TT-2 @ 3
Date Collected: 03/03/22 13:00
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	21692	03/16/22 14:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 04:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21131	03/08/22 11:39	SC	XEN MID
Soluble	Analysis	300.0		1			21435	03/12/22 13:10	CH	XEN MID

Client Sample ID: TT-2 @ 4
Date Collected: 03/03/22 13:05
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 14:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-2 @ 4

Date Collected: 03/03/22 13:05
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/16/22 02:01	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 14:40	CH	XEN MID

Client Sample ID: TT-2 @ 5

Date Collected: 03/03/22 13:10
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 14:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 22:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 14:58	CH	XEN MID

Client Sample ID: TT-2 @ 6

Date Collected: 03/03/22 13:15
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 15:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 22:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 15:04	CH	XEN MID

Client Sample ID: TT-3 @ 0.5

Date Collected: 03/03/22 14:10
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	21616	03/16/22 01:56	AJ	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	21696	03/16/22 09:01	KL	XEN MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	21704	03/16/22 18:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 0.5
Date Collected: 03/03/22 14:10
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21359	03/12/22 07:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		20			21436	03/12/22 15:33	CH	XEN MID

Client Sample ID: TT-3 @ 1
Date Collected: 03/03/22 14:15
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21616	03/16/22 11:00	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 04:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		10			21436	03/12/22 15:39	CH	XEN MID

Client Sample ID: TT-3 @ 2
Date Collected: 03/03/22 14:20
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21697	03/17/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	21774	03/17/22 16:03	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 04:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		10			21436	03/12/22 15:45	CH	XEN MID

Client Sample ID: TT-3 @ 3
Date Collected: 03/03/22 14:25
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	21692	03/16/22 19:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21611	03/16/22 05:14	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-3 @ 3

Date Collected: 03/03/22 14:25
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		10			21436	03/12/22 15:51	CH	XEN MID

Client Sample ID: TT-3 @ 4

Date Collected: 03/03/22 14:30
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21701	03/16/22 13:35	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21704	03/17/22 03:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 23:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 15:57	CH	XEN MID

Client Sample ID: TT-3 @ 5

Date Collected: 03/03/22 14:35
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 08:41	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/15/22 23:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 16:03	CH	XEN MID

Client Sample ID: TT-3 @ 6

Date Collected: 03/03/22 14:40
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 09:01	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/16/22 00:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 16:20	CH	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 0.5
Date Collected: 03/03/22 15:40
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21538	03/14/22 12:48	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	21464	03/15/22 00:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21359	03/12/22 08:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 16:56	CH	XEN MID

Client Sample ID: TT-4 @ 1
Date Collected: 03/03/22 15:45
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 09:22	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/16/22 00:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 17:01	CH	XEN MID

Client Sample ID: TT-4 @ 2
Date Collected: 03/03/22 15:50
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21653	03/15/22 12:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21616	03/16/22 09:42	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21638	03/15/22 10:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21611	03/16/22 00:50	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 17:07	CH	XEN MID

Client Sample ID: TT-4 @ 3
Date Collected: 03/03/22 15:55
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 18:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 3
Date Collected: 03/03/22 15:55
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21654	03/15/22 13:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21609	03/16/22 04:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 17:13	CH	XEN MID

Client Sample ID: TT-4 @ 4
Date Collected: 03/03/22 16:00
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 18:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21654	03/15/22 13:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21609	03/16/22 04:28	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	21132	03/08/22 11:42	SC	XEN MID
Soluble	Analysis	300.0		1			21436	03/12/22 17:19	CH	XEN MID

Client Sample ID: TT-4 @ 5
Date Collected: 03/03/22 16:05
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 18:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21654	03/15/22 13:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21609	03/16/22 04:52	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	21134	03/08/22 11:46	SC	XEN MID
Soluble	Analysis	300.0		1			21439	03/13/22 08:44	CH	XEN MID

Client Sample ID: TT-4 @ 6
Date Collected: 03/03/22 16:10
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	21671	03/16/22 08:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21692	03/16/22 19:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	21654	03/15/22 13:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21609	03/16/22 05:14	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Client Sample ID: TT-4 @ 6
Date Collected: 03/03/22 16:10
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	21134	03/08/22 11:46	SC	XEN MID
Soluble	Analysis	300.0		1			21439	03/13/22 08:49	CH	XEN MID

Client Sample ID: Dup-1
Date Collected: 03/03/22 16:40
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21538	03/14/22 12:48	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	21464	03/15/22 01:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21359	03/12/22 08:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	21134	03/08/22 11:46	SC	XEN MID
Soluble	Analysis	300.0		5			21439	03/13/22 09:25	CH	XEN MID

Client Sample ID: Dup-2
Date Collected: 03/03/22 16:45
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	21538	03/14/22 12:48	MR	XEN MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	21464	03/15/22 01:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21359	03/12/22 08:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	21134	03/08/22 11:46	SC	XEN MID
Soluble	Analysis	300.0		1			21439	03/13/22 09:31	CH	XEN MID

Client Sample ID: Dup-3
Date Collected: 03/03/22 16:50
Date Received: 03/07/22 12:10

Lab Sample ID: 880-12110-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	21146	03/13/22 12:58	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	21440	03/13/22 22:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			21556	03/14/22 14:33	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21503	03/14/22 09:29	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21371	03/11/22 09:52	DM	XEN MID
Total/NA	Analysis	8015B NM		5			21359	03/12/22 09:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	21134	03/08/22 11:46	SC	XEN MID
Soluble	Analysis	300.0		10			21439	03/13/22 09:37	CH	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: HEP: Hobbs LACT 571

Job ID: 880-12110-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12110-1	TT-1 @ 0.5	Solid	03/03/22 10:50	03/07/22 12:10	0.5'
880-12110-2	TT-1 @ 1	Solid	03/03/22 10:55	03/07/22 12:10	1'
880-12110-3	TT-1 @ 2	Solid	03/03/22 11:00	03/07/22 12:10	2'
880-12110-4	TT-1 @ 3	Solid	03/03/22 11:05	03/07/22 12:10	3'
880-12110-5	TT-1 @ 4	Solid	03/03/22 11:10	03/07/22 12:10	4'
880-12110-6	TT-1 @ 5	Solid	03/03/22 11:15	03/07/22 12:10	5'
880-12110-7	TT-1 @ 6	Solid	03/03/22 11:20	03/07/22 12:10	6'
880-12110-8	TT-1 @ 7	Solid	03/03/22 11:25	03/07/22 12:10	7'
880-12110-9	TT-1 @ 8	Solid	03/03/22 11:30	03/07/22 12:10	8'
880-12110-10	TT-1 @ 9	Solid	03/03/22 11:35	03/07/22 12:10	9'
880-12110-11	TT-2 @ 0.5	Solid	03/03/22 12:45	03/07/22 12:10	0.5'
880-12110-12	TT-2 @ 1	Solid	03/03/22 12:50	03/07/22 12:10	1'
880-12110-13	TT-2 @ 2	Solid	03/03/22 12:55	03/07/22 12:10	2'
880-12110-14	TT-2 @ 3	Solid	03/03/22 13:00	03/07/22 12:10	3'
880-12110-15	TT-2 @ 4	Solid	03/03/22 13:05	03/07/22 12:10	4'
880-12110-16	TT-2 @ 5	Solid	03/03/22 13:10	03/07/22 12:10	5'
880-12110-17	TT-2 @ 6	Solid	03/03/22 13:15	03/07/22 12:10	6'
880-12110-20	TT-3 @ 0.5	Solid	03/03/22 14:10	03/07/22 12:10	0.5'
880-12110-21	TT-3 @ 1	Solid	03/03/22 14:15	03/07/22 12:10	1'
880-12110-22	TT-3 @ 2	Solid	03/03/22 14:20	03/07/22 12:10	2'
880-12110-23	TT-3 @ 3	Solid	03/03/22 14:25	03/07/22 12:10	3'
880-12110-24	TT-3 @ 4	Solid	03/03/22 14:30	03/07/22 12:10	4'
880-12110-25	TT-3 @ 5	Solid	03/03/22 14:35	03/07/22 12:10	5'
880-12110-26	TT-3 @ 6	Solid	03/03/22 14:40	03/07/22 12:10	6'
880-12110-30	TT-4 @ 0.5	Solid	03/03/22 15:40	03/07/22 12:10	0.5'
880-12110-31	TT-4 @ 1	Solid	03/03/22 15:45	03/07/22 12:10	1'
880-12110-32	TT-4 @ 2	Solid	03/03/22 15:50	03/07/22 12:10	2'
880-12110-33	TT-4 @ 3	Solid	03/03/22 15:55	03/07/22 12:10	3'
880-12110-34	TT-4 @ 4	Solid	03/03/22 16:00	03/07/22 12:10	4'
880-12110-35	TT-4 @ 5	Solid	03/03/22 16:05	03/07/22 12:10	5'
880-12110-36	TT-4 @ 6	Solid	03/03/22 16:10	03/07/22 12:10	6'
880-12110-40	Dup-1	Solid	03/03/22 16:40	03/07/22 12:10	
880-12110-41	Dup-2	Solid	03/03/22 16:45	03/07/22 12:10	
880-12110-42	Dup-3	Solid	03/03/22 16:50	03/07/22 12:10	

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440, San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 12110

www.xenco.com Page _____ of _____

Project Manager	Russell Sebring	Bill to (if different)	
Company Name	TRC	Company Name	
Address	10 Desta Drive, Suite 130 E	Address	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone	432 250 4465	Email	rsebring@trccompanies.com

Work Order Comments

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

Project Name	HEP Hobbs LACT 571	Turn Around	☑ Routine ☐ Rush
Project Number	474974	Due Date	
Project Location	Hobbs NM	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	Russell Sebring		
PO #:			

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID	IR8	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-1.1	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	5.8	
Total Containers.		Corrected Temperature.	5.7	

ANALYSIS REQUEST

Preservative Codes

None NO | DI Water H_2O
Cool Cool | MeOH Me
HCL HC | HNO_3 HN
H_2SO_4 H_2 | NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH - 8015	BTEX 8021	Chloarides - 300	Sample Comments
TT-1 @ 0 5	S	3 3 2022	1050	0 5'	Grab	1		X	X	X	
TT-1 @ 1	S	3 3 2022	1055	1'	Grab	1		X	X	X	
TT-1 @ 2	S	3 3 2022	1100	2'	Grab	1		X	X	X	
TT-1 @ 3	S	3 3 2022	1105	3'	Grab	1		X	X	X	
TT-1 @ 4	S	3 3 2022	1110	4'	Grab	1		X	X	X	
TT-1 @ 5	S	3 3 2022	1115	5'	Grab	1		X	X	X	
TT-1 @ 6	S	3 3 2022	1120	6'	Grab	1		X	X	X	
TT-1 @ 7	S	3 3 2022	1125	7'	Grab	1		X	X	X	
TT-1 @ 8	S	3 3 2022	1130	8'	Grab	1		X	X	X	
TT-1 @ 9	S	3 3 2022	1135	9'	Grab	1		X	X	X	

880-12110 Chain of Custody

If TPH <100 mg/kg, Chloride <600 mg/kg, or BTEX <50 (Benzene <10), do not run deeper samples

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		3/1/22 12:10	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

Houston TX (281) 240-4200 Dallas, TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 12110

www xenco com Page _____ of _____

Project Manager	Russell Sebring	Bill to (if different)	
Company Name	TRC	Company Name	
Address	10 Desta Drive, Suite 130 E	Address.	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone.	432 250 4465	Email	rsebring@trccompanies.com

Work Order Comments

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

Project Name.	HEP Hobbs LACT 571	**Turn Around**	
Project Number	474974	☑ Routine ☐ Rush	
Project Location	Hobbs NM	Due Date	
Sampler's Name.	Russell Sebring	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	Yes No
Samples Received Intact:	Yes No		Thermometer ID	
Cooler Custody Seals	Yes No N/A		Correction Factor	
Sample Custody Seals	Yes No N/A		Temperature Reading	
Total Containers.			Corrected Temperature	

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH - 8015	BTEX 8021	Chloarides - 300	Sample Comments
TT-2 @ 0 5	S	3 3 2022	1245	0 5'	Grab	1		X	X	X	
TT-2 @ 1	S	3 3 2022	1250	1'	Grab	1		X	X	X	
TT-2 @ 2	S	3 3 2022	1255	2'	Grab	1		X	X	X	
TT-2 @ 3	S	3 3 2022	1300	3'	Grab	1		X	X	X	
TT-2 @ 4	S	3 3 2022	1305	4'	Grab	1		X	X	X	
TT-2 @ 5	S	3 3 2022	1310	5'	Grab	1		X	X	X	
TT-2 @ 6	S	3 3 2022	1315	6'	Grab	1		X	X	X	
TT-2 @ 7	S	3 3 2022	1320	7'	Grab	1		X	X	X	
TT-2 @ 8	S	3 3 2022	1325	8'	Grab	1		X	X	X	

If TPH <100 mg/kg, Chloride <600 mg/kg, or BTEX <50 (Benzene <10), do not run deeper samples

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		3/7/22 12:10	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

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Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 12110

www.xenco.com Page _____ of _____

Project Manager	Russell Sebring	Bill to. (if different)	
Company Name	TRC	Company Name	
Address.	10 Desta Drive, Suite 130 E	Address.	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone	432 250 4465	Email	rsebring@trccompanies.com

Work Order Comments

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

Project Name	HEP Hobbs LACT 571	Turn Around	☑ Routine ☐ Rush
Project Number	474974	Due Date	
Project Location.	Hobbs NM	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name.	Russell Sebring		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Samples Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH - 8015	BTEX 8021	Chloarides - 300	Sample Comments
TT-3 @ 0 5	S	3 3 2022	1410	0 5'	Grab	1		X	X	X	
TT-3 @ 1	S	3 3 2022	1415	1'	Grab	1		X	X	X	
TT-3 @ 2	S	3 3 2022	1420	2'	Grab	1		X	X	X	
TT-3 @ 3	S	3 3 2022	1425	3'	Grab	1		X	X	X	
TT-3 @ 4	S	3 3 2022	1430	4'	Grab	1		X	X	X	
TT-3 @ 5	S	3 3 2022	1435	5'	Grab	1		X	X	X	If TPH <100 mg/kg, Chloride <600 mg/kg, or BTEX <50 (Benzene <10), do not run deeper samples
TT-3 @ 6	S	3 3 2022	1440	6'	Grab	1		X	X	X	
TT-3 @ 7	S	3 3 2022	1445	7'	Grab	1		X	X	X	
TT-3 @ 8	S	3 3 2022	1450	8'	Grab	1		X	X	X	
TT-3 @ 9	S	3 3 2022	1455	9'	Grab	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		5/7/22 12:10	2		
3			4		
5			6		

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Chain of Custody

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EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs, NM (575) 392 7550 Carlsbad NM (575) 988-3199

Work Order No: 12110

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Project Manager	Russell Sebring	Bill to (if different)	
Company Name.	TRC	Company Name.	
Address.	10 Desta Drive, Suite 130 E	Address.	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone	432 250 4465	Email	rsebring@trccompanies com

Work Order Comments

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

Project Name.	HEP Hobbs LACT 571	Turn Around	☑ Routine ☐ Rush
Project Number	474974	Due Date	
Project Location	Hobbs NM	TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	Russell Sebring		
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice.	Yes No	
Samples Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: TPH - 8015	BTEX 8021	Chloarides - 300	Sample Comments
TT-4 @ 0 5	S	3 3 2022	1540	0 5'	Grab	2	X	X	X	
TT-4 @ 1	S	3 3 2022	1545	1'	Grab	2	X	X	X	
TT-4 @ 2	S	3 3 2022	1550	2'	Grab	2	X	X	X	
TT-4 @ 3	S	3 3 2022	1555	3'	Grab	2	X	X	X	
TT-4 @ 4	S	3 3 2022	1600	4'	Grab	2	X	X	X	
TT-4 @ 5	S	3 3 2022	1605	5'	Grab	2	X	X	X	If TPH <100 mg/kg, Chloride <600 mg/kg, or BTEX <50 (Benzene <10), do not run deeper samples
TT-4 @ 6	S	3 3 2022	1610	6'	Grab	2	X	X	X	
TT-4 @ 7	S	3 3 2022	1615	7'	Grab	2	X	X	X	
TT-4 @ 8	S	3 3 2022	1620	8'	Grab	2	X	X	X	
TT-4 @ 9	S	3 3 2022	1625	9'	Grab	2	X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		3/7/22 12:10	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 12110

www.xenco.com Page _____ of _____

Project Manager:	Russell Sebring	Bill to (if different)	
Company Name.	TRC	Company Name.	
Address	10 Desta Drive, Suite 130 E	Address.	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone.	432 250 4465	Email	rsebring@trccompanies com

Work Order Comments

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

Project Name.	HEP Hobbs LACT 571	**Turn Around**	
Project Number:	474974	☑ Routine ☐ Rush	
Project Location	Hobbs NM	Due Date	
Sampler's Name.	Russell Sebring	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank.	Yes No	Wet Ice	Yes No
Samples Received Intact:	Yes No		Thermometer ID	
Cooler Custody Seals.	Yes No N/A		Correction Factor:	
Sample Custody Seals.	Yes No N/A		Temperature Reading	
Total Containers.			Corrected Temperature	

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH - 8015	BTEX 8021	Chloarides - 300	Sample Comments
Dup-1	S	3 3 2022	1640		Grab	1		X	X	X	
Dup-2	S	3 3 2022	1645		Grab	1		X	X	X	
Dup-3	S	3 3 2022	1650		Grab	1		X	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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Relinquished by (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/7/22 12:10	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-12110-1
SDG Number: Hobbs NM

Login Number: 12110
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-15067-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: HEP:Hobbs LACT 571
Revision: 1

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Russell Sebring

JKramer

Authorized for release by:
6/28/2022 2:08:54 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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

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

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Laboratory Job ID: 880-15067-1
SDG: Hobbs NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Job ID: 880-15067-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-15067-1

REVISION

The report being provided is a revision of the original report sent on 5/31/2022. The report (revision 1) is being revised due to Per client email, correcting sample ID spacing.

Report revision history

Receipt
The samples were received on 5/23/2022 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-15067-A-1-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-1 @ 3 (880-15067-1), CS-2 @ 3 (880-15067-2) and CS-3 @ 5 (880-15067-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-6 @ 5 (880-15067-6), CS-7 @ 5 (880-15067-7) and CS-8 @ 5 (880-15067-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-10 @ 4 (880-15067-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CS-11 @ 1 (880-15067-11), CS-12 @ 1 (880-15067-12), CS-13 @ 1 (880-15067-13), CS-14 @ 1 (880-15067-14) and CS-15 @ 1 (880-15067-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW-1 @ 2 (880-15067-17), SW-2 @ 2 (880-15067-18), SW-3 @ 0.5 (880-15067-19) and SW-4 @ 3 (880-15067-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-26124/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-26124 and analytical batch 880-26134 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The MS/MSD RPD passed within limits and therefore shows recovery for the batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Job ID: 880-15067-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-26108 and analytical batch 880-26223 was outside acceptance criteria. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-1 @ 3

Date Collected: 05/20/22 12:00
Date Received: 05/23/22 15:50
Sample Depth: 3'

Lab Sample ID: 880-15067-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 14:53	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 14:53	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 14:53	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 14:53	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 14:53	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 14:53*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/24/22 08:11*	*05/24/22 14:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*05/24/22 08:19*	*05/24/22 11:17*	*1*
o-Terphenyl	*97*		*70 - 130*	*05/24/22 08:19*	*05/24/22 11:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.94**		4.99		mg/Kg			05/27/22 09:43	1

Client Sample ID: CS-2 @ 3

Date Collected: 05/20/22 12:05
Date Received: 05/23/22 15:50
Sample Depth: 3'

Lab Sample ID: 880-15067-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 15:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 15:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 15:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/24/22 08:11	05/24/22 15:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 15:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/24/22 08:11	05/24/22 15:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 15:20*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-2 @ 3

Date Collected: 05/20/22 12:05
Date Received: 05/23/22 15:50
Sample Depth: 3'

Lab Sample ID: 880-15067-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/24/22 08:11*	*05/24/22 15:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 12:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 12:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*86*		*70 - 130*	*05/24/22 08:19*	*05/24/22 12:22*	*1*
o-Terphenyl	*91*		*70 - 130*	*05/24/22 08:19*	*05/24/22 12:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.2**		4.95		mg/Kg			05/27/22 10:07	1

Client Sample ID: CS-3 @ 5

Date Collected: 05/20/22 12:10
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 15:46	1
Toluene	**0.00213**		0.00201		mg/Kg		05/24/22 08:11	05/24/22 15:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 15:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 15:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 15:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 15:46*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/24/22 08:11*	*05/24/22 15:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.4**		49.9		mg/Kg			05/24/22 15:43	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-3 @ 5

Lab Sample ID: 880-15067-3
Matrix: Solid
Date Collected: 05/20/22 12:10
Date Received: 05/23/22 15:50
Sample Depth: 5'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 12:44	1
Diesel Range Organics (Over C10-C28)	**54.4**		49.9		mg/Kg		05/24/22 08:19	05/24/22 12:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*05/24/22 08:19*	*05/24/22 12:44*	*1*
o-Terphenyl	*114*		*70 - 130*	*05/24/22 08:19*	*05/24/22 12:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		4.98		mg/Kg			05/27/22 10:15	1

Client Sample ID: CS-4 @ 5

Lab Sample ID: 880-15067-4
Matrix: Solid
Date Collected: 05/20/22 12:15
Date Received: 05/23/22 15:50
Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 16:12	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 16:12	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 16:12	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 16:12	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 16:12	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/24/22 08:11*	*05/24/22 16:12*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/24/22 08:11*	*05/24/22 16:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**60.3**		50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 13:06	1
Diesel Range Organics (Over C10-C28)	**60.3**		50.0		mg/Kg		05/24/22 08:19	05/24/22 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*05/24/22 08:19*	*05/24/22 13:06*	*1*
o-Terphenyl	*96*		*70 - 130*	*05/24/22 08:19*	*05/24/22 13:06*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-4 @ 5

Date Collected: 05/20/22 12:15
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.2		5.00		mg/Kg			05/27/22 10:23	1

Client Sample ID: CS-5 @ 5

Date Collected: 05/20/22 12:20
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 16:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 16:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 16:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 08:11	05/24/22 16:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 16:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 08:11	05/24/22 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*05/24/22 08:11*	*05/24/22 16:38*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/24/22 08:11*	*05/24/22 16:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 13:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/24/22 08:19*	*05/24/22 13:28*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/24/22 08:19*	*05/24/22 13:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		4.97		mg/Kg			05/27/22 10:31	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-6 @ 5

Date Collected: 05/20/22 12:25
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-6
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 17:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 17:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 17:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 08:11	05/24/22 17:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 17:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 08:11	05/24/22 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 17:04*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*05/24/22 08:11*	*05/24/22 17:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/24/22 08:19*	*05/24/22 13:50*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/24/22 08:19*	*05/24/22 13:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**347**		5.00		mg/Kg			05/27/22 10:54	1

Client Sample ID: CS-7 @ 5

Date Collected: 05/20/22 12:30
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-7
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 17:30	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 17:30	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 17:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/24/22 08:11	05/24/22 17:30	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 17:30	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/24/22 08:11	05/24/22 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*147*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 17:30*	*1*

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-7 @ 5

Date Collected: 05/20/22 12:30
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-7

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/24/22 08:11*	*05/24/22 17:30*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 14:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 14:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*97*		*70 - 130*	*05/24/22 08:19*	*05/24/22 14:12*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/24/22 08:19*	*05/24/22 14:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**198**		4.95		mg/Kg			05/27/22 11:02	1

Client Sample ID: CS-8 @ 5

Date Collected: 05/20/22 12:35
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 17:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 17:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 17:56	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 17:56	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 17:56	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 17:56*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/24/22 08:11*	*05/24/22 17:56*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-8 @ 5

Date Collected: 05/20/22 12:35
Date Received: 05/23/22 15:50
Sample Depth: 5'

Lab Sample ID: 880-15067-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 14:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 14:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/24/22 08:19*	*05/24/22 14:34*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/24/22 08:19*	*05/24/22 14:34*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.6**		5.04		mg/Kg			05/27/22 11:10	1

Client Sample ID: CS-9 @ 4

Date Collected: 05/20/22 12:40
Date Received: 05/23/22 15:50
Sample Depth: 4'

Lab Sample ID: 880-15067-9
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 18:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 18:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 18:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 08:11	05/24/22 18:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 18:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 08:11	05/24/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/24/22 08:11*	*05/24/22 18:21*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/24/22 08:11*	*05/24/22 18:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.3**		50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 14:56	1
Diesel Range Organics (Over C10-C28)	**74.3**		50.0		mg/Kg		05/24/22 08:19	05/24/22 14:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*05/24/22 08:19*	*05/24/22 14:56*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/24/22 08:19*	*05/24/22 14:56*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-9 @ 4

Lab Sample ID: 880-15067-9
Matrix: Solid
Date Collected: 05/20/22 12:40
Date Received: 05/23/22 15:50
Sample Depth: 4'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		4.98		mg/Kg			05/27/22 11:18	1

Client Sample ID: CS-10 @ 4

Lab Sample ID: 880-15067-10
Matrix: Solid
Date Collected: 05/20/22 12:45
Date Received: 05/23/22 15:50
Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 18:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 18:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 18:47	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 08:11	05/24/22 18:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 18:47	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 08:11	05/24/22 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 18:47*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/24/22 08:11*	*05/24/22 18:47*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**68.1**		50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 15:18	1
Diesel Range Organics (Over C10-C28)	**68.1**		50.0		mg/Kg		05/24/22 08:19	05/24/22 15:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/24/22 08:19*	*05/24/22 15:18*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/24/22 08:19*	*05/24/22 15:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.37**		4.99		mg/Kg			05/27/22 11:26	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-11 @ 1

Date Collected: 05/20/22 12:50
Date Received: 05/23/22 15:50
Sample Depth: 1'

Lab Sample ID: 880-15067-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 20:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 20:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 20:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 20:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 20:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*133*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 20:29*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/24/22 08:11*	*05/24/22 20:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 16:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 16:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*05/24/22 08:19*	*05/24/22 16:01*	*1*
o-Terphenyl	*101*		*70 - 130*	*05/24/22 08:19*	*05/24/22 16:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.2**		5.05		mg/Kg			05/27/22 11:34	1

Client Sample ID: CS-12 @ 1

Date Collected: 05/20/22 12:55
Date Received: 05/23/22 15:50
Sample Depth: 1'

Lab Sample ID: 880-15067-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 20:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 20:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 20:55	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 08:11	05/24/22 20:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 20:55	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/24/22 08:11	05/24/22 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 20:55*	*1*

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-12 @ 1

Date Collected: 05/20/22 12:55
Date Received: 05/23/22 15:50
Sample Depth: 1'

Lab Sample ID: 880-15067-12

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*05/24/22 08:11*	*05/24/22 20:55*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 16:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/24/22 08:19*	*05/24/22 16:23*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/24/22 08:19*	*05/24/22 16:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19.0**		4.98		mg/Kg			05/27/22 11:57	1

Client Sample ID: CS-13 @ 1

Date Collected: 05/20/22 13:00
Date Received: 05/23/22 15:50
Sample Depth: 1'

Lab Sample ID: 880-15067-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 21:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 21:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 21:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 08:11	05/24/22 21:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 21:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 08:11	05/24/22 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 21:20*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*05/24/22 08:11*	*05/24/22 21:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-13 @ 1

Date Collected: 05/20/22 13:00
Date Received: 05/23/22 15:50
Sample Depth: 1'

Lab Sample ID: 880-15067-13
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 16:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 16:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/24/22 08:19*	*05/24/22 16:45*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/24/22 08:19*	*05/24/22 16:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.4**		5.02		mg/Kg			05/27/22 12:05	1

Client Sample ID: CS-14 @ 1

Date Collected: 05/20/22 13:05
Date Received: 05/23/22 15:50
Sample Depth: 1'

Lab Sample ID: 880-15067-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 21:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 21:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 21:45	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/24/22 08:11	05/24/22 21:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/24/22 08:11	05/24/22 21:45	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/24/22 08:11	05/24/22 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*144*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 21:45*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/24/22 08:11*	*05/24/22 21:45*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 17:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 17:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*05/24/22 08:19*	*05/24/22 17:07*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/24/22 08:19*	*05/24/22 17:07*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-14 @ 1

Lab Sample ID: 880-15067-14
Matrix: Solid
Date Collected: 05/20/22 13:05
Date Received: 05/23/22 15:50
Sample Depth: 1'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0		4.98		mg/Kg			05/27/22 12:29	1

Client Sample ID: CS-15 @ 1

Lab Sample ID: 880-15067-15
Matrix: Solid
Date Collected: 05/20/22 13:10
Date Received: 05/23/22 15:50
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 22:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 22:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 22:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 08:11	05/24/22 22:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 22:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 08:11	05/24/22 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 22:11*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*05/24/22 08:11*	*05/24/22 22:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 17:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 17:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*05/24/22 08:19*	*05/24/22 17:29*	*1*
o-Terphenyl	*103*		*70 - 130*	*05/24/22 08:19*	*05/24/22 17:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.8		4.95		mg/Kg			05/27/22 12:37	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-16 @ 1

Lab Sample ID: 880-15067-16
Matrix: Solid
Date Collected: 05/20/22 13:15
Date Received: 05/23/22 15:50
Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 22:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 22:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 22:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 22:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/24/22 08:11	05/24/22 22:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/24/22 08:11	05/24/22 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*05/24/22 08:11*	*05/24/22 22:37*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*05/24/22 08:11*	*05/24/22 22:37*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 17:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 17:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*05/24/22 08:19*	*05/24/22 17:50*	*1*
o-Terphenyl	*107*		*70 - 130*	*05/24/22 08:19*	*05/24/22 17:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		4.98		mg/Kg			05/27/22 12:45	1

Client Sample ID: SW-1 @ 2

Lab Sample ID: 880-15067-17
Matrix: Solid
Date Collected: 05/20/22 14:00
Date Received: 05/23/22 15:50
Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/24/22 08:11	05/24/22 23:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/24/22 08:11	05/24/22 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 23:02*	*1*

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-1 @ 2

Date Collected: 05/20/22 14:00
Date Received: 05/23/22 15:50
Sample Depth: 2'

Lab Sample ID: 880-15067-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*05/24/22 08:11*	*05/24/22 23:02*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 18:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 18:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/24/22 08:19*	*05/24/22 18:11*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/24/22 08:19*	*05/24/22 18:11*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.6**		4.97		mg/Kg			05/27/22 12:53	1

Client Sample ID: SW-2 @ 2

Date Collected: 05/20/22 14:05
Date Received: 05/23/22 15:50
Sample Depth: 2'

Lab Sample ID: 880-15067-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 08:11	05/24/22 23:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 08:11	05/24/22 23:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 08:11	05/24/22 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*151*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 23:28*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*05/24/22 08:11*	*05/24/22 23:28*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/24/22 15:43	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-2 @ 2

Lab Sample ID: 880-15067-18
Matrix: Solid
Date Collected: 05/20/22 14:05
Date Received: 05/23/22 15:50
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 18:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 18:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/24/22 08:19*	*05/24/22 18:32*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/24/22 08:19*	*05/24/22 18:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.1**		4.95		mg/Kg			05/27/22 13:01	1

Client Sample ID: SW-3 @ 0.5

Lab Sample ID: 880-15067-19
Matrix: Solid
Date Collected: 05/20/22 14:10
Date Received: 05/23/22 15:50
Sample Depth: 0.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 08:11	05/24/22 23:53	1
Toluene	**0.00238**		0.00199		mg/Kg		05/24/22 08:11	05/24/22 23:53	1
Ethylbenzene	**0.00449**		0.00199		mg/Kg		05/24/22 08:11	05/24/22 23:53	1
m-Xylene & p-Xylene	**0.0196**		0.00398		mg/Kg		05/24/22 08:11	05/24/22 23:53	1
o-Xylene	**0.0178**		0.00199		mg/Kg		05/24/22 08:11	05/24/22 23:53	1
Xylenes, Total	**0.0374**		0.00398		mg/Kg		05/24/22 08:11	05/24/22 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/24/22 23:53*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*05/24/22 08:11*	*05/24/22 23:53*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0443**		0.00398		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**759**		50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 18:53	1
Diesel Range Organics (Over C10-C28)	**759**		50.0		mg/Kg		05/24/22 08:19	05/24/22 18:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:19	05/24/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*05/24/22 08:19*	*05/24/22 18:53*	*1*
o-Terphenyl	*105*		*70 - 130*	*05/24/22 08:19*	*05/24/22 18:53*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-3 @ 0.5

Lab Sample ID: 880-15067-19
Matrix: Solid
Date Collected: 05/20/22 14:10
Date Received: 05/23/22 15:50
Sample Depth: 0.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.1**		5.04		mg/Kg			05/27/22 13:09	1

Client Sample ID: SW-4 @ 3

Lab Sample ID: 880-15067-20
Matrix: Solid
Date Collected: 05/20/22 14:15
Date Received: 05/23/22 15:50
Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/25/22 00:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/25/22 00:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/25/22 00:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 08:11	05/25/22 00:19	1
o-Xylene	**0.0120**		0.00200		mg/Kg		05/24/22 08:11	05/25/22 00:19	1
Xylenes, Total	**0.0120**		0.00401		mg/Kg		05/24/22 08:11	05/25/22 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*05/24/22 08:11*	*05/25/22 00:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/24/22 08:11*	*05/25/22 00:19*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0120**		0.00401		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 19:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 19:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:19	05/24/22 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*05/24/22 08:19*	*05/24/22 19:14*	*1*
o-Terphenyl	*109*		*70 - 130*	*05/24/22 08:19*	*05/24/22 19:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.2**		4.98		mg/Kg			05/27/22 13:17	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-5 @ 4

Date Collected: 05/20/22 14:20
Date Received: 05/23/22 15:50
Sample Depth: 4'

Lab Sample ID: 880-15067-21
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:48	1
Toluene	**0.00258**		0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/24/22 13:19	05/24/22 13:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/24/22 13:19	05/24/22 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/24/22 13:19*	*05/24/22 13:48*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/24/22 13:19*	*05/24/22 13:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.3**		50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**55.3**	***1**	50.0		mg/Kg		05/24/22 08:22	05/24/22 11:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/24/22 08:22	05/24/22 11:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 11:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*05/24/22 08:22*	*05/24/22 11:17*	*1*
o-Terphenyl	*102*		*70 - 130*	*05/24/22 08:22*	*05/24/22 11:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.9**	***- *1**	4.95		mg/Kg			05/25/22 21:35	1

Client Sample ID: SW-6 @ 4.5

Date Collected: 05/20/22 14:25
Date Received: 05/23/22 15:50
Sample Depth: 4.5'

Lab Sample ID: 880-15067-22
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 14:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 14:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 14:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/24/22 13:19	05/24/22 14:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/24/22 13:19	05/24/22 14:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/24/22 13:19	05/24/22 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*05/24/22 13:19*	*05/24/22 14:09*	*1*

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-6 @ 4.5

Lab Sample ID: 880-15067-22
Matrix: Solid
Date Collected: 05/20/22 14:25
Date Received: 05/23/22 15:50
Sample Depth: 4.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*05/24/22 13:19*	*05/24/22 14:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 12:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 12:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:22	05/24/22 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*112*		*70 - 130*	*05/24/22 08:22*	*05/24/22 12:22*	*1*
o-Terphenyl	*106*		*70 - 130*	*05/24/22 08:22*	*05/24/22 12:22*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.99**	***- *1**	4.98		mg/Kg			05/25/22 21:42	1

Client Sample ID: SW-7 @ 2

Lab Sample ID: 880-15067-23
Matrix: Solid
Date Collected: 05/20/22 14:30
Date Received: 05/23/22 15:50
Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 14:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 14:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 14:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 13:19	05/24/22 14:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 14:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 13:19	05/24/22 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/24/22 13:19*	*05/24/22 14:29*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*05/24/22 13:19*	*05/24/22 14:29*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-7 @ 2

Lab Sample ID: 880-15067-23
Matrix: Solid
Date Collected: 05/20/22 14:30
Date Received: 05/23/22 15:50
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 12:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 12:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:22	05/24/22 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*05/24/22 08:22*	*05/24/22 12:44*	*1*
o-Terphenyl	*108*		*70 - 130*	*05/24/22 08:22*	*05/24/22 12:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.94**	***- *1**	4.95		mg/Kg			05/25/22 21:50	1

Client Sample ID: SW-8 @ 3

Lab Sample ID: 880-15067-24
Matrix: Solid
Date Collected: 05/20/22 14:35
Date Received: 05/23/22 15:50
Sample Depth: 3'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 14:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 14:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 14:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 13:19	05/24/22 14:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 14:50	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 13:19	05/24/22 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*05/24/22 13:19*	*05/24/22 14:50*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*05/24/22 13:19*	*05/24/22 14:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**54.3**		50.0		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**54.3**	***1**	50.0		mg/Kg		05/24/22 08:22	05/24/22 13:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		05/24/22 08:22	05/24/22 13:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 13:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*05/24/22 08:22*	*05/24/22 13:06*	*1*
o-Terphenyl	*110*		*70 - 130*	*05/24/22 08:22*	*05/24/22 13:06*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-8 @ 3

Date Collected: 05/20/22 14:35
Date Received: 05/23/22 15:50
Sample Depth: 3'

Lab Sample ID: 880-15067-24
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.69	*- *1	4.97		mg/Kg			05/25/22 21:57	1

Client Sample ID: DUP-1

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-25
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 15:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 15:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 15:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/24/22 13:19	05/24/22 15:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/24/22 13:19	05/24/22 15:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/24/22 13:19	05/24/22 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*05/24/22 13:19*	*05/24/22 15:10*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/24/22 13:19*	*05/24/22 15:10*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 13:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 13:28	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:22	05/24/22 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*05/24/22 08:22*	*05/24/22 13:28*	*1*
o-Terphenyl	*111*		*70 - 130*	*05/24/22 08:22*	*05/24/22 13:28*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.40	*- *1	4.99		mg/Kg			05/25/22 22:05	1

Client Sample ID: DUP-2

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-26
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 15:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 15:31	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: DUP-2

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-26
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 15:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/24/22 13:19	05/24/22 15:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 15:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/24/22 13:19	05/24/22 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*05/24/22 13:19*	*05/24/22 15:31*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*05/24/22 13:19*	*05/24/22 15:31*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 13:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 13:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:22	05/24/22 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*05/24/22 08:22*	*05/24/22 13:50*	*1*
o-Terphenyl	*99*		*70 - 130*	*05/24/22 08:22*	*05/24/22 13:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.4**	***- *1**	5.00		mg/Kg			05/25/22 22:12	1

Client Sample ID: Trip Blank

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-27
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			05/27/22 19:55	1
Toluene	<0.00200	U	0.00200		mg/L			05/27/22 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			05/27/22 19:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			05/27/22 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/L			05/27/22 19:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			05/27/22 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*		*05/27/22 19:55*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*		*05/27/22 19:55*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: Trip Blank

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-27

Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			05/24/22 17:12	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15067-1	CS-1 @ 3	131 S1+	87
880-15067-1 MS	CS-1 @ 3	126	88
880-15067-1 MSD	CS-1 @ 3	133 S1+	89
880-15067-2	CS-2 @ 3	133 S1+	88
880-15067-3	CS-3 @ 5	132 S1+	83
880-15067-4	CS-4 @ 5	130	87
880-15067-5	CS-5 @ 5	128	94
880-15067-6	CS-6 @ 5	135 S1+	89
880-15067-7	CS-7 @ 5	147 S1+	93
880-15067-8	CS-8 @ 5	134 S1+	86
880-15067-9	CS-9 @ 4	130	87
880-15067-10	CS-10 @ 4	137 S1+	93
880-15067-11	CS-11 @ 1	133 S1+	91
880-15067-12	CS-12 @ 1	143 S1+	87
880-15067-13	CS-13 @ 1	138 S1+	84
880-15067-14	CS-14 @ 1	144 S1+	86
880-15067-15	CS-15 @ 1	134 S1+	93
880-15067-16	CS-16 @ 1	130	86
880-15067-17	SW-1 @ 2	138 S1+	91
880-15067-18	SW-2 @ 2	151 S1+	94
880-15067-19	SW-3 @ 0.5	146 S1+	83
880-15067-20	SW-4 @ 3	153 S1+	99
880-15067-21	SW-5 @ 4	112	98
880-15067-21 MS	SW-5 @ 4	111	97
880-15067-21 MSD	SW-5 @ 4	107	99
880-15067-22	SW-6 @ 4.5	92	92
880-15067-23	SW-7 @ 2	113	102
880-15067-24	SW-8 @ 3	113	98
880-15067-25	DUP-1	111	97
880-15067-26	DUP-2	104	97
LCS 880-26100/1-A	Lab Control Sample	107	93
LCS 880-26121/1-A	Lab Control Sample	124	96
LCSD 880-26100/2-A	Lab Control Sample Dup	102	98
LCSD 880-26121/2-A	Lab Control Sample Dup	129	99
MB 880-26100/5-A	Method Blank	98	96
MB 880-26121/5-A	Method Blank	95	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-15047-A-10 MS	Matrix Spike	103	105
880-15047-A-10 MSD	Matrix Spike Duplicate	103	99
880-15067-27	Trip Blank	105	97

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Matrix: Water **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
LCS 880-26468/3	Lab Control Sample	103	100
LCSD 880-26468/4	Lab Control Sample Dup	100	98
MB 880-26468/8	Method Blank	97	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-15067-1	CS-1 @ 3	91	97
880-15067-1 MS	CS-1 @ 3	78	76
880-15067-1 MSD	CS-1 @ 3	81	80
880-15067-2	CS-2 @ 3	86	91
880-15067-3	CS-3 @ 5	113	114
880-15067-4	CS-4 @ 5	90	96
880-15067-5	CS-5 @ 5	94	102
880-15067-6	CS-6 @ 5	96	106
880-15067-7	CS-7 @ 5	97	107
880-15067-8	CS-8 @ 5	96	103
880-15067-9	CS-9 @ 4	103	111
880-15067-10	CS-10 @ 4	101	111
880-15067-11	CS-11 @ 1	93	101
880-15067-12	CS-12 @ 1	99	107
880-15067-13	CS-13 @ 1	97	106
880-15067-14	CS-14 @ 1	97	106
880-15067-15	CS-15 @ 1	94	103
880-15067-16	CS-16 @ 1	99	107
880-15067-17	SW-1 @ 2	100	108
880-15067-18	SW-2 @ 2	101	110
880-15067-19	SW-3 @ 0.5	100	105
880-15067-20	SW-4 @ 3	101	109
880-15067-21	SW-5 @ 4	109	102
880-15067-21 MS	SW-5 @ 4	88	75
880-15067-21 MSD	SW-5 @ 4	100	85
880-15067-22	SW-6 @ 4.5	112	106
880-15067-23	SW-7 @ 2	114	108
880-15067-24	SW-8 @ 3	117	110
880-15067-25	DUP-1	119	111
880-15067-26	DUP-2	105	99
LCS 880-26123/2-A	Lab Control Sample	110	115
LCS 880-26124/2-A	Lab Control Sample	147 S1+	127
LCSD 880-26123/3-A	Lab Control Sample Dup	114	117
LCSD 880-26124/3-A	Lab Control Sample Dup	115	102
MB 880-26123/1-A	Method Blank	102	110
MB 880-26124/1-A	Method Blank	122	119

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26100/5-A
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26100

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 13:19	05/24/22 13:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/24/22 13:19*	*05/24/22 13:19*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/24/22 13:19*	*05/24/22 13:19*	*1*

Lab Sample ID: LCS 880-26100/1-A
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08691		mg/Kg		87	70 - 130		
Toluene			0.100	0.09722		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1147		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2062		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.09905		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-26100/2-A
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08103		mg/Kg		81	70 - 130	7	35
Toluene			0.100	0.08815		mg/Kg		88	70 - 130	10	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1866		mg/Kg		93	70 - 130	10	35
o-Xylene			0.100	0.08943		mg/Kg		89	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 880-15067-21 MS
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: SW-5 @ 4
Prep Type: Total/NA
Prep Batch: 26100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.07472		mg/Kg		75	70 - 130		
Toluene	0.00258		0.100	0.08693		mg/Kg		84	70 - 130		

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: 880-15067-21 MS
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: SW-5 @ 4
Prep Type: Total/NA
Prep Batch: 26100

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1024		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1854		mg/Kg		91	70 - 130
o-Xylene	<0.00200	U	0.100	0.08826		mg/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-15067-21 MSD
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: SW-5 @ 4
Prep Type: Total/NA
Prep Batch: 26100

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.07275		mg/Kg		73	70 - 130	3	35
Toluene	0.00258		0.0996	0.07827		mg/Kg		76	70 - 130	10	35
Ethylbenzene	<0.00200	U	0.0996	0.09175		mg/Kg		91	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1651		mg/Kg		81	70 - 130	12	35
o-Xylene	<0.00200	U	0.0996	0.07970		mg/Kg		79	70 - 130	10	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-26121/5-A
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26121

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 14:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 14:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 14:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 08:11	05/24/22 14:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 08:11	05/24/22 14:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 08:11	05/24/22 14:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*05/24/22 08:11*	*05/24/22 14:27*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*05/24/22 08:11*	*05/24/22 14:27*	*1*

Lab Sample ID: LCS 880-26121/1-A
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1161		mg/Kg		116	70 - 130
Toluene	0.100	0.1094		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1090		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2197		mg/Kg		110	70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-26121/1-A
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26121

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1079		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-26121/2-A
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26121

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1203		mg/Kg		120	70 - 130	4	35
Toluene			0.100	0.1109		mg/Kg		111	70 - 130	1	35
Ethylbenzene			0.100	0.1115		mg/Kg		112	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2245		mg/Kg		112	70 - 130	2	35
o-Xylene			0.100	0.1094		mg/Kg		109	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 880-15067-1 MS
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: CS-1 @ 3
Prep Type: Total/NA
Prep Batch: 26121

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00201	U	0.0996	0.09514		mg/Kg		96	70 - 130		
Toluene	<0.00201	U	0.0996	0.09765		mg/Kg		98	70 - 130		
Ethylbenzene	<0.00201	U	0.0996	0.09960		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene	<0.00402	U	0.199	0.2017		mg/Kg		101	70 - 130		
o-Xylene	<0.00201	U	0.0996	0.09887		mg/Kg		99	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: 880-15067-1 MSD
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: CS-1 @ 3
Prep Type: Total/NA
Prep Batch: 26121

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U	0.0992	0.1052		mg/Kg		106	70 - 130	10	35
Toluene	<0.00201	U	0.0992	0.1112		mg/Kg		112	70 - 130	13	35
Ethylbenzene	<0.00201	U	0.0992	0.1101		mg/Kg		111	70 - 130	10	35
m-Xylene & p-Xylene	<0.00402	U	0.198	0.2233		mg/Kg		113	70 - 130	10	35
o-Xylene	<0.00201	U	0.0992	0.1107		mg/Kg		112	70 - 130	11	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: 880-15067-1 MSD
Matrix: Solid
Analysis Batch: 26122

Client Sample ID: CS-1 @ 3
Prep Type: Total/NA
Prep Batch: 26121

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: MB 880-26468/8
Matrix: Water
Analysis Batch: 26468

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			05/27/22 18:45	1
Toluene	<0.00200	U	0.00200		mg/L			05/27/22 18:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			05/27/22 18:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			05/27/22 18:45	1
o-Xylene	<0.00200	U	0.00200		mg/L			05/27/22 18:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			05/27/22 18:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		05/27/22 18:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130		05/27/22 18:45	1

Lab Sample ID: LCS 880-26468/3
Matrix: Water
Analysis Batch: 26468

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09706		mg/L		97	70 - 130		
Toluene			0.100	0.1048		mg/L		105	70 - 130		
Ethylbenzene			0.100	0.09811		mg/L		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2271		mg/L		114	70 - 130		
o-Xylene			0.100	0.1101		mg/L		110	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-26468/4
Matrix: Water
Analysis Batch: 26468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09215		mg/L		92	70 - 130	5	20
Toluene			0.100	0.1003		mg/L		100	70 - 130	4	20
Ethylbenzene			0.100	0.09443		mg/L		94	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.2188		mg/L		109	70 - 130	4	20
o-Xylene			0.100	0.1059		mg/L		106	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 880-26468/4
Matrix: Water
Analysis Batch: 26468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 880-15047-A-10 MS
Matrix: Water
Analysis Batch: 26468

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0259		0.100	0.1372		mg/L		111	70 - 130
Toluene	<0.00200	U	0.100	0.1076		mg/L		108	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09930		mg/L		99	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2262		mg/L		113	70 - 130
o-Xylene	<0.00200	U	0.100	0.1095		mg/L		110	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-15047-A-10 MSD
Matrix: Water
Analysis Batch: 26468

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0259		0.100	0.1219		mg/L		96	70 - 130	12	25
Toluene	<0.00200	U	0.100	0.1078		mg/L		108	70 - 130	0	25
Ethylbenzene	<0.00200	U	0.100	0.1003		mg/L		100	70 - 130	1	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2326		mg/L		116	70 - 130	3	25
o-Xylene	<0.00200	U	0.100	0.1124		mg/L		112	70 - 130	3	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-26123/1-A
Matrix: Solid
Analysis Batch: 26132

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26123

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/24/22 08:19	05/24/22 10:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/24/22 08:19	05/24/22 10:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/24/22 08:19	05/24/22 10:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	05/24/22 08:19	05/24/22 10:11	1
o-Terphenyl	110		70 - 130	05/24/22 08:19	05/24/22 10:11	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: LCS 880-26123/2-A
Matrix: Solid
Analysis Batch: 26132

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26123

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	794.1		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	890.9		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*115*		*70 - 130*

Lab Sample ID: LCSD 880-26123/3-A
Matrix: Solid
Analysis Batch: 26132

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26123

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	828.0		mg/Kg		83	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	904.4		mg/Kg		90	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*114*		*70 - 130*
o-Terphenyl	*117*		*70 - 130*

Lab Sample ID: 880-15067-1 MS
Matrix: Solid
Analysis Batch: 26132

Client Sample ID: CS-1 @ 3
Prep Type: Total/NA
Prep Batch: 26123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	758.9		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	834.8		mg/Kg		81	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*78*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: 880-15067-1 MSD
Matrix: Solid
Analysis Batch: 26132

Client Sample ID: CS-1 @ 3
Prep Type: Total/NA
Prep Batch: 26123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	781.5		mg/Kg		78	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	868.9		mg/Kg		84	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: 880-15067-1 MSD
Matrix: Solid
Analysis Batch: 26132

Client Sample ID: CS-1 @ 3
Prep Type: Total/NA
Prep Batch: 26123

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	80		70 - 130

Lab Sample ID: MB 880-26124/1-A
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26124

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 10:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 10:11	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 10:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130	05/24/22 08:22	05/24/22 10:11	1
o-Terphenyl	119		70 - 130	05/24/22 08:22	05/24/22 10:11	1

Lab Sample ID: LCS 880-26124/2-A
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26124

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1118		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	972.6		mg/Kg		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	147	S1+	70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: LCSD 880-26124/3-A
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26124

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	814.5	*1	mg/Kg		81	70 - 130	31	20
Diesel Range Organics (Over C10-C28)			1000	776.9	*1	mg/Kg		78	70 - 130	22	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

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

Lab Sample ID: 880-15067-21 MS
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: SW-5 @ 4
Prep Type: Total/NA
Prep Batch: 26124

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	55.3	*1	1000	778.9		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *1	1000	799.3		mg/Kg		78	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: 880-15067-21 MSD
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: SW-5 @ 4
Prep Type: Total/NA
Prep Batch: 26124

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	55.3	*1	999	925.3		mg/Kg		87	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	999	906.2		mg/Kg		89	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26108/1-A
Matrix: Solid
Analysis Batch: 26223

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/25/22 17:22	1

Lab Sample ID: LCS 880-26108/2-A
Matrix: Solid
Analysis Batch: 26223

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	248.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-26108/3-A
Matrix: Solid
Analysis Batch: 26223

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	169.4	*- *1	mg/Kg		68	90 - 110	38	20

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2329-A-3-D MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	170	*- *1	250	407.4		mg/Kg		95	90 - 110

Lab Sample ID: 890-2329-A-3-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26223

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	170	*- *1	250	407.0		mg/Kg		95	90 - 110	0	20

Lab Sample ID: MB 880-26114/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26373

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/27/22 09:20	1

Lab Sample ID: LCS 880-26114/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-26114/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26373

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.8		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-15067-1 MS — **Client Sample ID: CS-1 @ 3**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	8.94		250	276.4		mg/Kg		107	90 - 110

Lab Sample ID: 880-15067-1 MSD — **Client Sample ID: CS-1 @ 3**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26373

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.94		250	276.0		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 880-15067-11 MS — **Client Sample ID: CS-11 @ 1**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 26373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14.2		253	279.2		mg/Kg		105	90 - 110

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-15067-11 MSD
Matrix: Solid
Analysis Batch: 26373

Client Sample ID: CS-11 @ 1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14.2		253	279.0		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

GC VOA

Analysis Batch: 26075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21	SW-5 @ 4	Total/NA	Solid	8021B	26100
880-15067-22	SW-6 @ 4.5	Total/NA	Solid	8021B	26100
880-15067-23	SW-7 @ 2	Total/NA	Solid	8021B	26100
880-15067-24	SW-8 @ 3	Total/NA	Solid	8021B	26100
880-15067-25	DUP-1	Total/NA	Solid	8021B	26100
880-15067-26	DUP-2	Total/NA	Solid	8021B	26100
MB 880-26100/5-A	Method Blank	Total/NA	Solid	8021B	26100
LCS 880-26100/1-A	Lab Control Sample	Total/NA	Solid	8021B	26100
LCSD 880-26100/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26100
880-15067-21 MS	SW-5 @ 4	Total/NA	Solid	8021B	26100
880-15067-21 MSD	SW-5 @ 4	Total/NA	Solid	8021B	26100

Prep Batch: 26100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21	SW-5 @ 4	Total/NA	Solid	5035	
880-15067-22	SW-6 @ 4.5	Total/NA	Solid	5035	
880-15067-23	SW-7 @ 2	Total/NA	Solid	5035	
880-15067-24	SW-8 @ 3	Total/NA	Solid	5035	
880-15067-25	DUP-1	Total/NA	Solid	5035	
880-15067-26	DUP-2	Total/NA	Solid	5035	
MB 880-26100/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26100/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26100/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-15067-21 MS	SW-5 @ 4	Total/NA	Solid	5035	
880-15067-21 MSD	SW-5 @ 4	Total/NA	Solid	5035	

Prep Batch: 26121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Total/NA	Solid	5035	
880-15067-2	CS-2 @ 3	Total/NA	Solid	5035	
880-15067-3	CS-3 @ 5	Total/NA	Solid	5035	
880-15067-4	CS-4 @ 5	Total/NA	Solid	5035	
880-15067-5	CS-5 @ 5	Total/NA	Solid	5035	
880-15067-6	CS-6 @ 5	Total/NA	Solid	5035	
880-15067-7	CS-7 @ 5	Total/NA	Solid	5035	
880-15067-8	CS-8 @ 5	Total/NA	Solid	5035	
880-15067-9	CS-9 @ 4	Total/NA	Solid	5035	
880-15067-10	CS-10 @ 4	Total/NA	Solid	5035	
880-15067-11	CS-11 @ 1	Total/NA	Solid	5035	
880-15067-12	CS-12 @ 1	Total/NA	Solid	5035	
880-15067-13	CS-13 @ 1	Total/NA	Solid	5035	
880-15067-14	CS-14 @ 1	Total/NA	Solid	5035	
880-15067-15	CS-15 @ 1	Total/NA	Solid	5035	
880-15067-16	CS-16 @ 1	Total/NA	Solid	5035	
880-15067-17	SW-1 @ 2	Total/NA	Solid	5035	
880-15067-18	SW-2 @ 2	Total/NA	Solid	5035	
880-15067-19	SW-3 @ 0.5	Total/NA	Solid	5035	
880-15067-20	SW-4 @ 3	Total/NA	Solid	5035	
MB 880-26121/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26121/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26121/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

GC VOA (Continued)

Prep Batch: 26121 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1 MS	CS-1 @ 3	Total/NA	Solid	5035	
880-15067-1 MSD	CS-1 @ 3	Total/NA	Solid	5035	

Analysis Batch: 26122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Total/NA	Solid	8021B	26121
880-15067-2	CS-2 @ 3	Total/NA	Solid	8021B	26121
880-15067-3	CS-3 @ 5	Total/NA	Solid	8021B	26121
880-15067-4	CS-4 @ 5	Total/NA	Solid	8021B	26121
880-15067-5	CS-5 @ 5	Total/NA	Solid	8021B	26121
880-15067-6	CS-6 @ 5	Total/NA	Solid	8021B	26121
880-15067-7	CS-7 @ 5	Total/NA	Solid	8021B	26121
880-15067-8	CS-8 @ 5	Total/NA	Solid	8021B	26121
880-15067-9	CS-9 @ 4	Total/NA	Solid	8021B	26121
880-15067-10	CS-10 @ 4	Total/NA	Solid	8021B	26121
880-15067-11	CS-11 @ 1	Total/NA	Solid	8021B	26121
880-15067-12	CS-12 @ 1	Total/NA	Solid	8021B	26121
880-15067-13	CS-13 @ 1	Total/NA	Solid	8021B	26121
880-15067-14	CS-14 @ 1	Total/NA	Solid	8021B	26121
880-15067-15	CS-15 @ 1	Total/NA	Solid	8021B	26121
880-15067-16	CS-16 @ 1	Total/NA	Solid	8021B	26121
880-15067-17	SW-1 @ 2	Total/NA	Solid	8021B	26121
880-15067-18	SW-2 @ 2	Total/NA	Solid	8021B	26121
880-15067-19	SW-3 @ 0.5	Total/NA	Solid	8021B	26121
880-15067-20	SW-4 @ 3	Total/NA	Solid	8021B	26121
MB 880-26121/5-A	Method Blank	Total/NA	Solid	8021B	26121
LCS 880-26121/1-A	Lab Control Sample	Total/NA	Solid	8021B	26121
LCSD 880-26121/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26121
880-15067-1 MS	CS-1 @ 3	Total/NA	Solid	8021B	26121
880-15067-1 MSD	CS-1 @ 3	Total/NA	Solid	8021B	26121

Analysis Batch: 26203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Total/NA	Solid	Total BTEX	
880-15067-2	CS-2 @ 3	Total/NA	Solid	Total BTEX	
880-15067-3	CS-3 @ 5	Total/NA	Solid	Total BTEX	
880-15067-4	CS-4 @ 5	Total/NA	Solid	Total BTEX	
880-15067-5	CS-5 @ 5	Total/NA	Solid	Total BTEX	
880-15067-6	CS-6 @ 5	Total/NA	Solid	Total BTEX	
880-15067-7	CS-7 @ 5	Total/NA	Solid	Total BTEX	
880-15067-8	CS-8 @ 5	Total/NA	Solid	Total BTEX	
880-15067-9	CS-9 @ 4	Total/NA	Solid	Total BTEX	
880-15067-10	CS-10 @ 4	Total/NA	Solid	Total BTEX	
880-15067-11	CS-11 @ 1	Total/NA	Solid	Total BTEX	
880-15067-12	CS-12 @ 1	Total/NA	Solid	Total BTEX	
880-15067-13	CS-13 @ 1	Total/NA	Solid	Total BTEX	
880-15067-14	CS-14 @ 1	Total/NA	Solid	Total BTEX	
880-15067-15	CS-15 @ 1	Total/NA	Solid	Total BTEX	
880-15067-16	CS-16 @ 1	Total/NA	Solid	Total BTEX	
880-15067-17	SW-1 @ 2	Total/NA	Solid	Total BTEX	
880-15067-18	SW-2 @ 2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

GC VOA (Continued)

Analysis Batch: 26203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-19	SW-3 @ 0.5	Total/NA	Solid	Total BTEX	
880-15067-20	SW-4 @ 3	Total/NA	Solid	Total BTEX	
880-15067-21	SW-5 @ 4	Total/NA	Solid	Total BTEX	
880-15067-22	SW-6 @ 4.5	Total/NA	Solid	Total BTEX	
880-15067-23	SW-7 @ 2	Total/NA	Solid	Total BTEX	
880-15067-24	SW-8 @ 3	Total/NA	Solid	Total BTEX	
880-15067-25	DUP-1	Total/NA	Solid	Total BTEX	
880-15067-26	DUP-2	Total/NA	Solid	Total BTEX	
880-15067-27	Trip Blank	Total/NA	Water	Total BTEX	

Analysis Batch: 26468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-27	Trip Blank	Total/NA	Water	8021B	
MB 880-26468/8	Method Blank	Total/NA	Water	8021B	
LCS 880-26468/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-26468/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-15047-A-10 MS	Matrix Spike	Total/NA	Water	8021B	
880-15047-A-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 26123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Total/NA	Solid	8015NM Prep	
880-15067-2	CS-2 @ 3	Total/NA	Solid	8015NM Prep	
880-15067-3	CS-3 @ 5	Total/NA	Solid	8015NM Prep	
880-15067-4	CS-4 @ 5	Total/NA	Solid	8015NM Prep	
880-15067-5	CS-5 @ 5	Total/NA	Solid	8015NM Prep	
880-15067-6	CS-6 @ 5	Total/NA	Solid	8015NM Prep	
880-15067-7	CS-7 @ 5	Total/NA	Solid	8015NM Prep	
880-15067-8	CS-8 @ 5	Total/NA	Solid	8015NM Prep	
880-15067-9	CS-9 @ 4	Total/NA	Solid	8015NM Prep	
880-15067-10	CS-10 @ 4	Total/NA	Solid	8015NM Prep	
880-15067-11	CS-11 @ 1	Total/NA	Solid	8015NM Prep	
880-15067-12	CS-12 @ 1	Total/NA	Solid	8015NM Prep	
880-15067-13	CS-13 @ 1	Total/NA	Solid	8015NM Prep	
880-15067-14	CS-14 @ 1	Total/NA	Solid	8015NM Prep	
880-15067-15	CS-15 @ 1	Total/NA	Solid	8015NM Prep	
880-15067-16	CS-16 @ 1	Total/NA	Solid	8015NM Prep	
880-15067-17	SW-1 @ 2	Total/NA	Solid	8015NM Prep	
880-15067-18	SW-2 @ 2	Total/NA	Solid	8015NM Prep	
880-15067-19	SW-3 @ 0.5	Total/NA	Solid	8015NM Prep	
880-15067-20	SW-4 @ 3	Total/NA	Solid	8015NM Prep	
MB 880-26123/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26123/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26123/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15067-1 MS	CS-1 @ 3	Total/NA	Solid	8015NM Prep	
880-15067-1 MSD	CS-1 @ 3	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

GC Semi VOA

Prep Batch: 26124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21	SW-5 @ 4	Total/NA	Solid	8015NM Prep	
880-15067-22	SW-6 @ 4.5	Total/NA	Solid	8015NM Prep	
880-15067-23	SW-7 @ 2	Total/NA	Solid	8015NM Prep	
880-15067-24	SW-8 @ 3	Total/NA	Solid	8015NM Prep	
880-15067-25	DUP-1	Total/NA	Solid	8015NM Prep	
880-15067-26	DUP-2	Total/NA	Solid	8015NM Prep	
MB 880-26124/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26124/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15067-21 MS	SW-5 @ 4	Total/NA	Solid	8015NM Prep	
880-15067-21 MSD	SW-5 @ 4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Total/NA	Solid	8015B NM	26123
880-15067-2	CS-2 @ 3	Total/NA	Solid	8015B NM	26123
880-15067-3	CS-3 @ 5	Total/NA	Solid	8015B NM	26123
880-15067-4	CS-4 @ 5	Total/NA	Solid	8015B NM	26123
880-15067-5	CS-5 @ 5	Total/NA	Solid	8015B NM	26123
880-15067-6	CS-6 @ 5	Total/NA	Solid	8015B NM	26123
880-15067-7	CS-7 @ 5	Total/NA	Solid	8015B NM	26123
880-15067-8	CS-8 @ 5	Total/NA	Solid	8015B NM	26123
880-15067-9	CS-9 @ 4	Total/NA	Solid	8015B NM	26123
880-15067-10	CS-10 @ 4	Total/NA	Solid	8015B NM	26123
880-15067-11	CS-11 @ 1	Total/NA	Solid	8015B NM	26123
880-15067-12	CS-12 @ 1	Total/NA	Solid	8015B NM	26123
880-15067-13	CS-13 @ 1	Total/NA	Solid	8015B NM	26123
880-15067-14	CS-14 @ 1	Total/NA	Solid	8015B NM	26123
880-15067-15	CS-15 @ 1	Total/NA	Solid	8015B NM	26123
880-15067-16	CS-16 @ 1	Total/NA	Solid	8015B NM	26123
880-15067-17	SW-1 @ 2	Total/NA	Solid	8015B NM	26123
880-15067-18	SW-2 @ 2	Total/NA	Solid	8015B NM	26123
880-15067-19	SW-3 @ 0.5	Total/NA	Solid	8015B NM	26123
880-15067-20	SW-4 @ 3	Total/NA	Solid	8015B NM	26123
MB 880-26123/1-A	Method Blank	Total/NA	Solid	8015B NM	26123
LCS 880-26123/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26123
LCSD 880-26123/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26123
880-15067-1 MS	CS-1 @ 3	Total/NA	Solid	8015B NM	26123
880-15067-1 MSD	CS-1 @ 3	Total/NA	Solid	8015B NM	26123

Analysis Batch: 26134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21	SW-5 @ 4	Total/NA	Solid	8015B NM	26124
880-15067-22	SW-6 @ 4.5	Total/NA	Solid	8015B NM	26124
880-15067-23	SW-7 @ 2	Total/NA	Solid	8015B NM	26124
880-15067-24	SW-8 @ 3	Total/NA	Solid	8015B NM	26124
880-15067-25	DUP-1	Total/NA	Solid	8015B NM	26124
880-15067-26	DUP-2	Total/NA	Solid	8015B NM	26124
MB 880-26124/1-A	Method Blank	Total/NA	Solid	8015B NM	26124
LCS 880-26124/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26124
LCSD 880-26124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26124

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

GC Semi VOA (Continued)

Analysis Batch: 26134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21 MS	SW-5 @ 4	Total/NA	Solid	8015B NM	26124
880-15067-21 MSD	SW-5 @ 4	Total/NA	Solid	8015B NM	26124

Analysis Batch: 26193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Total/NA	Solid	8015 NM	
880-15067-2	CS-2 @ 3	Total/NA	Solid	8015 NM	
880-15067-3	CS-3 @ 5	Total/NA	Solid	8015 NM	
880-15067-4	CS-4 @ 5	Total/NA	Solid	8015 NM	
880-15067-5	CS-5 @ 5	Total/NA	Solid	8015 NM	
880-15067-6	CS-6 @ 5	Total/NA	Solid	8015 NM	
880-15067-7	CS-7 @ 5	Total/NA	Solid	8015 NM	
880-15067-8	CS-8 @ 5	Total/NA	Solid	8015 NM	
880-15067-9	CS-9 @ 4	Total/NA	Solid	8015 NM	
880-15067-10	CS-10 @ 4	Total/NA	Solid	8015 NM	
880-15067-11	CS-11 @ 1	Total/NA	Solid	8015 NM	
880-15067-12	CS-12 @ 1	Total/NA	Solid	8015 NM	
880-15067-13	CS-13 @ 1	Total/NA	Solid	8015 NM	
880-15067-14	CS-14 @ 1	Total/NA	Solid	8015 NM	
880-15067-15	CS-15 @ 1	Total/NA	Solid	8015 NM	
880-15067-16	CS-16 @ 1	Total/NA	Solid	8015 NM	
880-15067-17	SW-1 @ 2	Total/NA	Solid	8015 NM	
880-15067-18	SW-2 @ 2	Total/NA	Solid	8015 NM	
880-15067-19	SW-3 @ 0.5	Total/NA	Solid	8015 NM	
880-15067-20	SW-4 @ 3	Total/NA	Solid	8015 NM	
880-15067-21	SW-5 @ 4	Total/NA	Solid	8015 NM	
880-15067-22	SW-6 @ 4.5	Total/NA	Solid	8015 NM	
880-15067-23	SW-7 @ 2	Total/NA	Solid	8015 NM	
880-15067-24	SW-8 @ 3	Total/NA	Solid	8015 NM	
880-15067-25	DUP-1	Total/NA	Solid	8015 NM	
880-15067-26	DUP-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21	SW-5 @ 4	Soluble	Solid	DI Leach	
880-15067-22	SW-6 @ 4.5	Soluble	Solid	DI Leach	
880-15067-23	SW-7 @ 2	Soluble	Solid	DI Leach	
880-15067-24	SW-8 @ 3	Soluble	Solid	DI Leach	
880-15067-25	DUP-1	Soluble	Solid	DI Leach	
880-15067-26	DUP-2	Soluble	Solid	DI Leach	
MB 880-26108/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26108/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26108/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2329-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2329-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 26114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Soluble	Solid	DI Leach	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

HPLC/IC (Continued)

Leach Batch: 26114 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-2	CS-2 @ 3	Soluble	Solid	DI Leach	
880-15067-3	CS-3 @ 5	Soluble	Solid	DI Leach	
880-15067-4	CS-4 @ 5	Soluble	Solid	DI Leach	
880-15067-5	CS-5 @ 5	Soluble	Solid	DI Leach	
880-15067-6	CS-6 @ 5	Soluble	Solid	DI Leach	
880-15067-7	CS-7 @ 5	Soluble	Solid	DI Leach	
880-15067-8	CS-8 @ 5	Soluble	Solid	DI Leach	
880-15067-9	CS-9 @ 4	Soluble	Solid	DI Leach	
880-15067-10	CS-10 @ 4	Soluble	Solid	DI Leach	
880-15067-11	CS-11 @ 1	Soluble	Solid	DI Leach	
880-15067-12	CS-12 @ 1	Soluble	Solid	DI Leach	
880-15067-13	CS-13 @ 1	Soluble	Solid	DI Leach	
880-15067-14	CS-14 @ 1	Soluble	Solid	DI Leach	
880-15067-15	CS-15 @ 1	Soluble	Solid	DI Leach	
880-15067-16	CS-16 @ 1	Soluble	Solid	DI Leach	
880-15067-17	SW-1 @ 2	Soluble	Solid	DI Leach	
880-15067-18	SW-2 @ 2	Soluble	Solid	DI Leach	
880-15067-19	SW-3 @ 0.5	Soluble	Solid	DI Leach	
880-15067-20	SW-4 @ 3	Soluble	Solid	DI Leach	
MB 880-26114/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26114/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26114/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15067-1 MS	CS-1 @ 3	Soluble	Solid	DI Leach	
880-15067-1 MSD	CS-1 @ 3	Soluble	Solid	DI Leach	
880-15067-11 MS	CS-11 @ 1	Soluble	Solid	DI Leach	
880-15067-11 MSD	CS-11 @ 1	Soluble	Solid	DI Leach	

Analysis Batch: 26223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-21	SW-5 @ 4	Soluble	Solid	300.0	26108
880-15067-22	SW-6 @ 4.5	Soluble	Solid	300.0	26108
880-15067-23	SW-7 @ 2	Soluble	Solid	300.0	26108
880-15067-24	SW-8 @ 3	Soluble	Solid	300.0	26108
880-15067-25	DUP-1	Soluble	Solid	300.0	26108
880-15067-26	DUP-2	Soluble	Solid	300.0	26108
MB 880-26108/1-A	Method Blank	Soluble	Solid	300.0	26108
LCS 880-26108/2-A	Lab Control Sample	Soluble	Solid	300.0	26108
LCSD 880-26108/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26108
890-2329-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	26108
890-2329-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	26108

Analysis Batch: 26373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-1	CS-1 @ 3	Soluble	Solid	300.0	26114
880-15067-2	CS-2 @ 3	Soluble	Solid	300.0	26114
880-15067-3	CS-3 @ 5	Soluble	Solid	300.0	26114
880-15067-4	CS-4 @ 5	Soluble	Solid	300.0	26114
880-15067-5	CS-5 @ 5	Soluble	Solid	300.0	26114
880-15067-6	CS-6 @ 5	Soluble	Solid	300.0	26114
880-15067-7	CS-7 @ 5	Soluble	Solid	300.0	26114
880-15067-8	CS-8 @ 5	Soluble	Solid	300.0	26114

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

HPLC/IC (Continued)

Analysis Batch: 26373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15067-9	CS-9 @ 4	Soluble	Solid	300.0	26114
880-15067-10	CS-10 @ 4	Soluble	Solid	300.0	26114
880-15067-11	CS-11 @ 1	Soluble	Solid	300.0	26114
880-15067-12	CS-12 @ 1	Soluble	Solid	300.0	26114
880-15067-13	CS-13 @ 1	Soluble	Solid	300.0	26114
880-15067-14	CS-14 @ 1	Soluble	Solid	300.0	26114
880-15067-15	CS-15 @ 1	Soluble	Solid	300.0	26114
880-15067-16	CS-16 @ 1	Soluble	Solid	300.0	26114
880-15067-17	SW-1 @ 2	Soluble	Solid	300.0	26114
880-15067-18	SW-2 @ 2	Soluble	Solid	300.0	26114
880-15067-19	SW-3 @ 0.5	Soluble	Solid	300.0	26114
880-15067-20	SW-4 @ 3	Soluble	Solid	300.0	26114
MB 880-26114/1-A	Method Blank	Soluble	Solid	300.0	26114
LCS 880-26114/2-A	Lab Control Sample	Soluble	Solid	300.0	26114
LCSD 880-26114/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26114
880-15067-1 MS	CS-1 @ 3	Soluble	Solid	300.0	26114
880-15067-1 MSD	CS-1 @ 3	Soluble	Solid	300.0	26114
880-15067-11 MS	CS-11 @ 1	Soluble	Solid	300.0	26114
880-15067-11 MSD	CS-11 @ 1	Soluble	Solid	300.0	26114

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-1 @ 3
Date Collected: 05/20/22 12:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 14:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 11:17	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 09:43	SC	XEN MID

Client Sample ID: CS-2 @ 3
Date Collected: 05/20/22 12:05
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 15:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 12:22	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 10:07	SC	XEN MID

Client Sample ID: CS-3 @ 5
Date Collected: 05/20/22 12:10
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 15:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 12:44	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 10:15	SC	XEN MID

Client Sample ID: CS-4 @ 5
Date Collected: 05/20/22 12:15
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 16:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-4 @ 5
Date Collected: 05/20/22 12:15
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 13:06	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 10:23	SC	XEN MID

Client Sample ID: CS-5 @ 5
Date Collected: 05/20/22 12:20
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 16:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 13:28	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 10:31	SC	XEN MID

Client Sample ID: CS-6 @ 5
Date Collected: 05/20/22 12:25
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 17:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 13:50	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 10:54	SC	XEN MID

Client Sample ID: CS-7 @ 5
Date Collected: 05/20/22 12:30
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 17:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 14:12	SM	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-7 @ 5

Date Collected: 05/20/22 12:30
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 11:02	SC	XEN MID

Client Sample ID: CS-8 @ 5

Date Collected: 05/20/22 12:35
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 17:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 14:34	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 11:10	SC	XEN MID

Client Sample ID: CS-9 @ 4

Date Collected: 05/20/22 12:40
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 18:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 14:56	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 11:18	SC	XEN MID

Client Sample ID: CS-10 @ 4

Date Collected: 05/20/22 12:45
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 18:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 15:18	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 11:26	SC	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-11 @ 1
Date Collected: 05/20/22 12:50
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 20:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 16:01	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 11:34	SC	XEN MID

Client Sample ID: CS-12 @ 1
Date Collected: 05/20/22 12:55
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 20:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 16:23	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 11:57	SC	XEN MID

Client Sample ID: CS-13 @ 1
Date Collected: 05/20/22 13:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 21:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 16:45	SM	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 12:05	SC	XEN MID

Client Sample ID: CS-14 @ 1
Date Collected: 05/20/22 13:05
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 21:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: CS-14 @ 1
Date Collected: 05/20/22 13:05
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 17:07	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 12:29	SC	XEN MID

Client Sample ID: CS-15 @ 1
Date Collected: 05/20/22 13:10
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 22:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 17:29	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 12:37	SC	XEN MID

Client Sample ID: CS-16 @ 1
Date Collected: 05/20/22 13:15
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 22:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 17:50	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 12:45	SC	XEN MID

Client Sample ID: SW-1 @ 2
Date Collected: 05/20/22 14:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 23:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 18:11	SM	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-1 @ 2

Date Collected: 05/20/22 14:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 12:53	SC	XEN MID

Client Sample ID: SW-2 @ 2

Date Collected: 05/20/22 14:05
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 23:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 18:32	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 13:01	SC	XEN MID

Client Sample ID: SW-3 @ 0.5

Date Collected: 05/20/22 14:10
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/24/22 23:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 18:53	SM	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 13:09	SC	XEN MID

Client Sample ID: SW-4 @ 3

Date Collected: 05/20/22 14:15
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26121	05/24/22 08:11	MR	XEN MID
Total/NA	Analysis	8021B		1			26122	05/25/22 00:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26123	05/24/22 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26132	05/24/22 19:14	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26114	05/23/22 17:43	SC	XEN MID
Soluble	Analysis	300.0		1			26373	05/27/22 13:17	SC	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-5 @ 4

Lab Sample ID: 880-15067-21
Matrix: Solid
Date Collected: 05/20/22 14:20
Date Received: 05/23/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 13:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 11:17	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 21:35	CH	XEN MID

Client Sample ID: SW-6 @ 4.5

Lab Sample ID: 880-15067-22
Matrix: Solid
Date Collected: 05/20/22 14:25
Date Received: 05/23/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 14:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 12:22	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 21:42	CH	XEN MID

Client Sample ID: SW-7 @ 2

Lab Sample ID: 880-15067-23
Matrix: Solid
Date Collected: 05/20/22 14:30
Date Received: 05/23/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 14:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 12:44	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 21:50	CH	XEN MID

Client Sample ID: SW-8 @ 3

Lab Sample ID: 880-15067-24
Matrix: Solid
Date Collected: 05/20/22 14:35
Date Received: 05/23/22 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 14:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Client Sample ID: SW-8 @ 3

Date Collected: 05/20/22 14:35
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 13:06	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 21:57	CH	XEN MID

Client Sample ID: DUP-1

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 15:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 13:28	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 22:05	CH	XEN MID

Client Sample ID: DUP-2

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 15:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26193	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 13:50	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 22:12	CH	XEN MID

Client Sample ID: Trip Blank

Date Collected: 05/20/22 00:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15067-27
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	26468	05/27/22 19:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26203	05/24/22 17:12	SM	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15067-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-15067-1	CS-1 @ 3	Solid	05/20/22 12:00	05/23/22 15:50	3'
880-15067-2	CS-2 @ 3	Solid	05/20/22 12:05	05/23/22 15:50	3'
880-15067-3	CS-3 @ 5	Solid	05/20/22 12:10	05/23/22 15:50	5'
880-15067-4	CS-4 @ 5	Solid	05/20/22 12:15	05/23/22 15:50	5'
880-15067-5	CS-5 @ 5	Solid	05/20/22 12:20	05/23/22 15:50	5'
880-15067-6	CS-6 @ 5	Solid	05/20/22 12:25	05/23/22 15:50	5'
880-15067-7	CS-7 @ 5	Solid	05/20/22 12:30	05/23/22 15:50	5'
880-15067-8	CS-8 @ 5	Solid	05/20/22 12:35	05/23/22 15:50	5'
880-15067-9	CS-9 @ 4	Solid	05/20/22 12:40	05/23/22 15:50	4'
880-15067-10	CS-10 @ 4	Solid	05/20/22 12:45	05/23/22 15:50	4'
880-15067-11	CS-11 @ 1	Solid	05/20/22 12:50	05/23/22 15:50	1'
880-15067-12	CS-12 @ 1	Solid	05/20/22 12:55	05/23/22 15:50	1'
880-15067-13	CS-13 @ 1	Solid	05/20/22 13:00	05/23/22 15:50	1'
880-15067-14	CS-14 @ 1	Solid	05/20/22 13:05	05/23/22 15:50	1'
880-15067-15	CS-15 @ 1	Solid	05/20/22 13:10	05/23/22 15:50	1'
880-15067-16	CS-16 @ 1	Solid	05/20/22 13:15	05/23/22 15:50	1'
880-15067-17	SW-1 @ 2	Solid	05/20/22 14:00	05/23/22 15:50	2'
880-15067-18	SW-2 @ 2	Solid	05/20/22 14:05	05/23/22 15:50	2'
880-15067-19	SW-3 @ 0.5	Solid	05/20/22 14:10	05/23/22 15:50	0.5'
880-15067-20	SW-4 @ 3	Solid	05/20/22 14:15	05/23/22 15:50	3'
880-15067-21	SW-5 @ 4	Solid	05/20/22 14:20	05/23/22 15:50	4'
880-15067-22	SW-6 @ 4.5	Solid	05/20/22 14:25	05/23/22 15:50	4.5'
880-15067-23	SW-7 @ 2	Solid	05/20/22 14:30	05/23/22 15:50	2'
880-15067-24	SW-8 @ 3	Solid	05/20/22 14:35	05/23/22 15:50	3'
880-15067-25	DUP-1	Solid	05/20/22 00:00	05/23/22 15:50	
880-15067-26	DUP-2	Solid	05/20/22 00:00	05/23/22 15:50	
880-15067-27	Trip Blank	Water	05/20/22 00:00	05/23/22 15:50	

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 15067

www.xenco.com Page 1 of 3

Project Manager	Russell Sebring	Bill to: (if different)	
Company Name.	TRC	Company Name.	
Address:	10 Desta Drive, Suite 130 E	Address.	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone.	432 250 4465 Email	rsebring@trccompanies.com	

Work Order Comments

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

Project Name:	HEP Hobbs LACT 571	Turn Around	
Project Number	488912	☑ Routine ☐ Rush	
Project Location	Hobbs NM	Due Date	
Sampler's Name.	Russell Sebring	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank.	Yes (No)	Wet Ice	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID	
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	-2
Sample Custody Seals	Yes No (N/A)	Temperature Reading	5.7
Total Containers:		Corrected Temperature	5.5

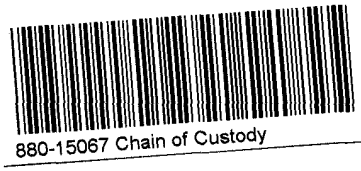
ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH - 8015	BTEX 8021	Chloarides - 300
CS-1 @ 3	S	5 20 2022	1200	3'	Grab	1		X	X	X
CS-2 @ 3	S	5 20 2022	1205	3'	Grab	1		X	X	X
CS-3 @ 5	S	5 20 2022	1210	5'	Grab	1		X	X	X
CS-4 @ 5	S	5 20.2022	1215	5'	Grab	1		X	X	X
CS-5 @ 5	S	5 20 2022	1220	5'	Grab	1		X	X	X
CS-6 @ 5	S	5 20 2022	1225	5'	Grab	1		X	X	X
CS-7 @ 5	S	5 20 2022	1230	5'	Grab	1		X	X	X
CS-8 @ 5	S	5 20 2022	1235	5'	Grab	1		X	X	X

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments



Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		8/23/22 15:50	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 15067

www.xenco.com Page 2 of 3

Project Manager	Russell Sebring	Bill to (if different)	
Company Name.	TRC	Company Name	
Address.	10 Desta Drive, Suite 130 E	Address	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone:	432 250 4465	Email	rsebring@trccompanies.com

Work Order Comments

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

Project Name	HEP Hobbs LACT 571	Turn Around	
Project Number	488912	☑ Routine ☐ Rush	
Project Location.	Hobbs NM	Due Date	
Sampler's Name.	Russell Sebring	TAT starts the day received by the lab if received by 4 30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice.	Yes No	
Samples Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals.	Yes No N/A	Temperature Reading		
Total Containers		Corrected Temperature		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH - 8015	BTEX 8021	Chloarides - 300
CS-9 @ 4	S	5 20 2022	1240	4'	Grab	1		X	X	X
CS-10 @ 4	S	5 20 2022	1245	4'	Grab	1		X	X	X
CS-11 @ 1	S	5 20 2022	1250	1'	Grab	1		X	X	X
CS-12 @ 1	S	5 20 2022	1255	1'	Grab	1		X	X	X
CS-13 @ 1	S	5 20 2022	1300	1'	Grab	1		X	X	X
CS-14 @ 1	S	5.20 2022	1305	1'	Grab	1		X	X	X
CS-15 @ 1	S	5 20 2022	1310	1'	Grab	1		X	X	X
CS-16 @ 1	S	5 20 2022	1315	1'	Grab	1		X	X	X

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by (Signature)	Date/Time
1		5/23/22 15:50	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 150677

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Project Manager	Russell Sebring	Bill to (if different)	
Company Name.	TRC	Company Name.	
Address.	10 Desta Drive, Suite 130 E	Address	
City, State ZIP	Midland, TX, 79705	City, State ZIP	
Phone	432 250 4465	Email	rsebring@trccompanies.com

Work Order Comments

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

Project Name.	HEP Hobbs LACT 571	Turn Around	
Project Number	488912	☑ Routine ☐ Rush	
Project Location	Hobbs NM	Due Date	
Sampler's Name	Russell Sebring	TAT starts the day received by the lab if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes No	Wet Ice	Yes No	
Samples Received Intact:	Yes No	Thermometer ID		
Cooler Custody Seals.	Yes No N/A	Correction Factor		
Sample Custody Seals	Yes No N/A	Temperature Reading		
Total Containers.		Corrected Temperature		

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH - 8015	BTEX 8021	Chloarides - 300	Sample Comments
SW-1 @ 2	S	5 20 2022	1400	2'	Grab	1	X	X	X	
SW-2 @ 2	S	5 20 2022	1405	2'	Grab	1	X	X	X	
SW-3 @ 0 5	S	5 20 2022	1410	0 5'	Grab	1	X	X	X	
SW-4 @ 3	S	5 20 2022	1415	3'	Grab	1	X	X	X	Loc: 880
SW-5 @ 4	S	5 20 2022	1420	4'	Grab	1	X	X	X	15067
SW-6 @ 4 5	S	5 20 2022	1425	4 5'	Grab	1	X	X	X	
SW-7 @ 2	S	5 20 2022	1430	2'	Grab	1	X	X	X	
SW-8 @ 3	S	5 20 2022	1435	3'	Grab	1	X	X	X	
DUP-1	S	5 20 2022			GRAB	1	X	X	X	
DUP-2	S	5 20 2022			GRAB	1	X	X	X	
TRIP BLANK	W					2		X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		8/23/22 1550	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-15067-1
SDG Number: Hobbs NM

Login Number: 15067
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-15068-1
Laboratory Sample Delivery Group: HobbsNM
Client Project/Site: HEP Hobbs LACT 571

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Russell Sebring

JKramer

Authorized for release by:
5/26/2022 1:22:02 PM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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

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

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Laboratory Job ID: 880-15068-1
SDG: HobbsNM

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-15068-1
Project/Site: HEP Hobbs LACT 571 SDG: HobbsNM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Job ID: 880-15068-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-15068-1

Receipt
The sample was received on 5/23/2022 3:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-26124/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-26124 and analytical batch 880-26134 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The MS/MSD RPD passed within limits and therefore shows recovery for the batch.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D: The laboratory control sample (LCS) associated with preparation batch 880-26108 and 880-26108 and analytical batch 880-26223 was outside acceptance criteria. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Client Sample ID: IDW

Date Collected: 05/20/22 16:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15068-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		05/24/22 13:19	05/24/22 15:51	1
Toluene	**0.00361**		0.00198		mg/Kg		05/24/22 13:19	05/24/22 15:51	1
Ethylbenzene	**0.00728**		0.00198		mg/Kg		05/24/22 13:19	05/24/22 15:51	1
m-Xylene & p-Xylene	**0.0177**		0.00397		mg/Kg		05/24/22 13:19	05/24/22 15:51	1
o-Xylene	**0.0112**		0.00198		mg/Kg		05/24/22 13:19	05/24/22 15:51	1
Xylenes, Total	**0.0289**		0.00397		mg/Kg		05/24/22 13:19	05/24/22 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*05/24/22 13:19*	*05/24/22 15:51*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*05/24/22 13:19*	*05/24/22 15:51*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0398**		0.00397		mg/Kg			05/24/22 17:12	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**314**		49.9		mg/Kg			05/24/22 15:43	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		05/24/22 08:22	05/24/22 14:12	1
Diesel Range Organics (Over C10-C28)	**314**	***1**	49.9		mg/Kg		05/24/22 08:22	05/24/22 14:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/24/22 08:22	05/24/22 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*05/24/22 08:22*	*05/24/22 14:12*	*1*
o-Terphenyl	*86*		*70 - 130*	*05/24/22 08:22*	*05/24/22 14:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.1**	***- *1**	4.98		mg/Kg			05/25/22 22:19	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-15068-1	IDW	109	99										
LCS 880-26100/1-A	Lab Control Sample	107	93										
LCSD 880-26100/2-A	Lab Control Sample Dup	102	98										
MB 880-26100/5-A	Method Blank	98	96										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-15068-1	IDW	96	86										
LCS 880-26124/2-A	Lab Control Sample	147 S1+	127										
LCSD 880-26124/3-A	Lab Control Sample Dup	115	102										
MB 880-26124/1-A	Method Blank	122	119										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-26100/5-A
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26100

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/24/22 13:19	05/24/22 13:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/24/22 13:19	05/24/22 13:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/24/22 13:19*	*05/24/22 13:19*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*05/24/22 13:19*	*05/24/22 13:19*	*1*

Lab Sample ID: LCS 880-26100/1-A
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26100

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08691		mg/Kg		87	70 - 130		
Toluene			0.100	0.09722		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.1147		mg/Kg		115	70 - 130		
m-Xylene & p-Xylene			0.200	0.2062		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.09905		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*

Lab Sample ID: LCSD 880-26100/2-A
Matrix: Solid
Analysis Batch: 26075

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26100

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08103		mg/Kg		81	70 - 130	7	35
Toluene			0.100	0.08815		mg/Kg		88	70 - 130	10	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1866		mg/Kg		93	70 - 130	10	35
o-Xylene			0.100	0.08943		mg/Kg		89	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

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

Lab Sample ID: MB 880-26124/1-A
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26124

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 10:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 10:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/24/22 08:22	05/24/22 10:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*05/24/22 08:22*	*05/24/22 10:11*	*1*
o-Terphenyl	*119*		*70 - 130*	*05/24/22 08:22*	*05/24/22 10:11*	*1*

Lab Sample ID: LCS 880-26124/2-A
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26124

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1118		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	972.6		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*147*	*S1+*	*70 - 130*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: LCSD 880-26124/3-A
Matrix: Solid
Analysis Batch: 26134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26124

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	814.5	*1	mg/Kg		81	70 - 130	31	20
Diesel Range Organics (Over C10-C28)			1000	776.9	*1	mg/Kg		78	70 - 130	22	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*115*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-26108/1-A
Matrix: Solid
Analysis Batch: 26223

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/25/22 17:22	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-26108/2-A
Matrix: Solid
Analysis Batch: 26223

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.9		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-26108/3-A
Matrix: Solid
Analysis Batch: 26223

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	169.4	*- *1	mg/Kg		68	90 - 110	38	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

GC VOA

Analysis Batch: 26075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Total/NA	Solid	8021B	26100
MB 880-26100/5-A	Method Blank	Total/NA	Solid	8021B	26100
LCS 880-26100/1-A	Lab Control Sample	Total/NA	Solid	8021B	26100
LCSD 880-26100/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	26100

Prep Batch: 26100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Total/NA	Solid	5035	
MB 880-26100/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-26100/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-26100/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 26204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 26124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Total/NA	Solid	8015NM Prep	
MB 880-26124/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26124/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Total/NA	Solid	8015B NM	26124
MB 880-26124/1-A	Method Blank	Total/NA	Solid	8015B NM	26124
LCS 880-26124/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26124
LCSD 880-26124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26124

Analysis Batch: 26194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 26108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Soluble	Solid	DI Leach	
MB 880-26108/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-26108/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-26108/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 26223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15068-1	IDW	Soluble	Solid	300.0	26108
MB 880-26108/1-A	Method Blank	Soluble	Solid	300.0	26108
LCS 880-26108/2-A	Lab Control Sample	Soluble	Solid	300.0	26108
LCSD 880-26108/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	26108

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Client Sample ID: IDW

Date Collected: 05/20/22 16:00
Date Received: 05/23/22 15:50

Lab Sample ID: 880-15068-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	26100	05/24/22 13:19	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	26075	05/24/22 15:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			26204	05/24/22 17:12	SM	XEN MID
Total/NA	Analysis	8015 NM		1			26194	05/24/22 15:43	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	26124	05/24/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26134	05/24/22 14:12	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	26108	05/23/22 16:45	SC	XEN MID
Soluble	Analysis	300.0		1			26223	05/25/22 22:19	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc. Job ID: 880-15068-1
Project/Site: HEP Hobbs LACT 571 SDG: HobbsNM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: HEP Hobbs LACT 571

Job ID: 880-15068-1
SDG: HobbsNM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-15068-1	IDW	Solid	05/20/22 16:00	05/23/22 15:50

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 150168

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Project Manager:	Russell Sibbring	Bill to (if different)	
Company Name:	TRC	Company Name:	
Address:	10 Dietz Drive #130E	Address	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432.250 4465	Email	RSibbring@trcompanies.com

Work Order Comments

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

Project Name:	HEP: Hobbs LACT 571	Turn Around	
Project Number:	488912	☐ Routine ☐ Rush	
Project Location	Hobbs NM	Due Date	
Sampler's Name:	Russell Sibbring	TAT starts the day received by the lab, if received by 4.30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank.	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-2
Sample Custody Seals.	Yes No N/A	Temperature Reading	5.7
Total Containers.		Corrected Temperature:	5.5

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH 8015	BTEX 8021	Chlorides	Inlet	Sample Comments
IDW	S	5.20.22	1600	—	Comp	1		X	X	X	X	

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2SO_4 H_2 NaOH Na
H_3PO_4 HP
$NaHSO_4$ NABIS
$Na_2S_2O_3$ $NaSO_3$
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

880-15068 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/23/22 15:50	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-15068-1
SDG Number: HobbsNM

Login Number: 15068
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-15466-1
Laboratory Sample Delivery Group: Hobbs NM
Client Project/Site: HEP:Hobbs LACT 571

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Russell Sebring

JKramer

Authorized for release by:
6/7/2022 7:17:49 AM

Jessica Kramer, Project Manager
(432)704-5440
Jessica.Kramer@et.eurofinsus.com

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

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

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Laboratory Job ID: 880-15466-1
SDG: Hobbs NM

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-15466-1
Project/Site: HEP:Hobbs LACT 571 SDG: Hobbs NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

Job ID: 880-15466-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-15466-1

Receipt
The samples were received on 6/3/2022 3:23 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (880-15469-A-1-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

Client Sample ID: SW-3A @0.5

Lab Sample ID: 880-15466-1
Matrix: Solid
Date Collected: 06/03/22 10:00
Date Received: 06/03/22 15:23
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**1440**		49.9		mg/Kg			06/06/22 09:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/03/22 15:30	06/03/22 20:08	1
Diesel Range Organics (Over C10-C28)	**674**		49.9		mg/Kg		06/03/22 15:30	06/03/22 20:08	1
Oil Range Organics (Over C28-C36)	**765**		49.9		mg/Kg		06/03/22 15:30	06/03/22 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*06/03/22 15:30*	*06/03/22 20:08*	*1*
o-Terphenyl	*125*		*70 - 130*	*06/03/22 15:30*	*06/03/22 20:08*	*1*

Client Sample ID: SW-3B @0.5

Lab Sample ID: 880-15466-2
Matrix: Solid
Date Collected: 06/03/22 10:20
Date Received: 06/03/22 15:23
Sample Depth: 0.5

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/06/22 09:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/06/22 08:40	06/07/22 00:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/22 08:40	06/07/22 00:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/22 08:40	06/07/22 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*06/06/22 08:40*	*06/07/22 00:39*	*1*
o-Terphenyl	*93*		*70 - 130*	*06/06/22 08:40*	*06/07/22 00:39*	*1*

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-15426-A-10-B MS	Matrix Spike	100	93										
880-15426-A-10-C MSD	Matrix Spike Duplicate	107	97										
880-15466-1	SW-3A @0.5	124	125										
880-15466-2	SW-3B @0.5	89	93										
880-15469-A-1-B MS	Matrix Spike	75	67 S1-										
880-15469-A-1-C MSD	Matrix Spike Duplicate	86	76										
LCS 880-26772/2-A	Lab Control Sample	128	119										
LCS 880-26872/2-A	Lab Control Sample	105	104										
LCSD 880-26772/3-A	Lab Control Sample Dup	113	107										
LCSD 880-26872/3-A	Lab Control Sample Dup	103	103										
MB 880-26772/1-A	Method Blank	100	112										
MB 880-26872/1-A	Method Blank	93	103										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

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

Lab Sample ID: MB 880-26772/1-A
Matrix: Solid
Analysis Batch: 26776

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26772

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/03/22 08:31	06/03/22 11:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/03/22 08:31	06/03/22 11:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/03/22 08:31	06/03/22 11:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*06/03/22 08:31*	*06/03/22 11:07*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/03/22 08:31*	*06/03/22 11:07*	*1*

Lab Sample ID: LCS 880-26772/2-A
Matrix: Solid
Analysis Batch: 26776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26772

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1083		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1155		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: LCSD 880-26772/3-A
Matrix: Solid
Analysis Batch: 26776

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26772

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	891.9		mg/Kg		89	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	1035		mg/Kg		103	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*113*		*70 - 130*
o-Terphenyl	*107*		*70 - 130*

Lab Sample ID: 880-15426-A-10-B MS
Matrix: Solid
Analysis Batch: 26776

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26772

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	956.7		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	896.8		mg/Kg		90	70 - 130		

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

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

Lab Sample ID: 880-15426-A-10-B MS
Matrix: Solid
Analysis Batch: 26776

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26772

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-15426-A-10-C MSD
Matrix: Solid
Analysis Batch: 26776

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 26772

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1057		mg/Kg		104	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	941.0		mg/Kg		94	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: MB 880-26872/1-A
Matrix: Solid
Analysis Batch: 26868

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 26872

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/06/22 08:40	06/06/22 21:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/06/22 08:40	06/06/22 21:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/06/22 08:40	06/06/22 21:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/06/22 08:40	06/06/22 21:55	1
o-Terphenyl	103		70 - 130	06/06/22 08:40	06/06/22 21:55	1

Lab Sample ID: LCS 880-26872/2-A
Matrix: Solid
Analysis Batch: 26868

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 26872

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	753.8		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1025		mg/Kg		102	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

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

Lab Sample ID: LCSD 880-26872/3-A
Matrix: Solid
Analysis Batch: 26868

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 26872

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	715.7		mg/Kg		72	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1008		mg/Kg		101	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*103*		*70 - 130*

Lab Sample ID: 880-15469-A-1-B MS
Matrix: Solid
Analysis Batch: 26868

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 26872

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	800.5		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	62.4		997	929.7		mg/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: 880-15469-A-1-C MSD
Matrix: Solid
Analysis Batch: 26868

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 26872

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	923.7		mg/Kg		92	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	62.4		1000	1128		mg/Kg		107	70 - 130	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

GC Semi VOA

Prep Batch: 26772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15466-1	SW-3A @0.5	Total/NA	Solid	8015NM Prep	
MB 880-26772/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26772/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26772/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15426-A-10-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15426-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15466-1	SW-3A @0.5	Total/NA	Solid	8015B NM	26772
MB 880-26772/1-A	Method Blank	Total/NA	Solid	8015B NM	26772
LCS 880-26772/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26772
LCSD 880-26772/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26772
880-15426-A-10-B MS	Matrix Spike	Total/NA	Solid	8015B NM	26772
880-15426-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26772

Analysis Batch: 26868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15466-2	SW-3B @0.5	Total/NA	Solid	8015B NM	26872
MB 880-26872/1-A	Method Blank	Total/NA	Solid	8015B NM	26872
LCS 880-26872/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	26872
LCSD 880-26872/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	26872
880-15469-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	26872
880-15469-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	26872

Prep Batch: 26872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15466-2	SW-3B @0.5	Total/NA	Solid	8015NM Prep	
MB 880-26872/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-26872/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-26872/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-15469-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-15469-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 26883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15466-1	SW-3A @0.5	Total/NA	Solid	8015 NM	
880-15466-2	SW-3B @0.5	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

Client Sample ID: SW-3A @0.5

Lab Sample ID: 880-15466-1
Matrix: Solid
Date Collected: 06/03/22 10:00
Date Received: 06/03/22 15:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26883	06/06/22 09:13	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	26772	06/03/22 15:30	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26776	06/03/22 20:08	SM	XEN MID

Client Sample ID: SW-3B @0.5

Lab Sample ID: 880-15466-2
Matrix: Solid
Date Collected: 06/03/22 10:20
Date Received: 06/03/22 15:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			26883	06/06/22 09:13	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	26872	06/06/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			26868	06/07/22 00:39	SM	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Method Summary

Client: TRC Solutions, Inc. Job ID: 880-15466-1
Project/Site: HEP:Hobbs LACT 571 SDG: Hobbs NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: HEP:Hobbs LACT 571

Job ID: 880-15466-1
SDG: Hobbs NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-15466-1	SW-3A @0.5	Solid	06/03/22 10:00	06/03/22 15:23	0.5
880-15466-2	SW-3B @0.5	Solid	06/03/22 10:20	06/03/22 15:23	0.5

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Chain of Custody

Houston TX (281) 240-4200 Dallas, TX (214) 902-0300
Midland TX (432) 704-5440 San Antonio, TX (210) 509-3334
EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

Work Order No: 154660

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Project Manager:	Russell Sebring	Bill to. (if different)	
Company Name:	TRC	Company Name	
Address.	10 Desta Drive, Suite 130 E	Address	
City, State ZIP:	Midland, TX, 79705	City, State ZIP	
Phone:	432 250.4465	Email	rsebring@trccompanies.com

Work Order Comments

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

Project Name:	HEP Hobbs LACT 571	Turn Around	
Project Number:	488912	☐ Routine ☑ Rush 24Hr	Pres. Code
Project Location	Hobbs NM	Due Date.	
Sampler's Name:	Russell Sebring	TAT starts the day received by the lab if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank.	Yes (No)	Wet Ice	Yes (No)	
Samples Received Intact:	(Yes) No	Thermometer ID	TRB	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor	0.3	
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.0	
Total Containers:		Corrected Temperature	5.4	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH - 8015	BTEX 8021	Chloarides - 300	HOLD	Parameters	24 Hr Rush
~~SW-3A @ 0 5~~	~~S~~	~~6 3 2022~~	~~1400~~	~~2'~~	~~Grab~~	~~1~~	~~X~~					
~~SW-3B @ 0 5~~	~~S~~	~~6 3 2022~~	~~1405~~	~~2'~~	~~Grab~~	~~1~~				~~X~~		
SW-3A @ 0.5	S	6.3.2022	1000	0.5	G	1	X					
SW-3B @ 0.5	S	6.3.2022	1020	0.5	G	1				X		

Preservative Codes

None NO	DI Water H_2O
Cool Cool	MeOH Me
HCL HC	HNO_3 HN
H_2SO_4 H_2	NaOH Na
H_3PO_4 HP	
$NaHSO_4$ NABIS	
$Na_2S_2O_3$ $NaSO_3$	
Zn Acetate+NaOH Zn	
NaOH+Ascorbic Acid SAPC	

Sample Comments

IF SW-3A IS > 100 TPH RUN SW-3B

880-15466 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			6/3/22	2		
3			1523	4		
5				6		

Revised Date: 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-15466-1
SDG Number: Hobbs NM

Login Number: 15466
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Analytical Data Review Checklist

Site: Hobbs Station LACT 571 Location: Hobbs, NM Client Name: HEP Project #: 488912	Laboratory: Eurofins (Midland, TX) Lab Report #: 880-12110-1	QA Reviewer: A. Eljuri Peer Reviewer: E. Denly Date: June 20, 2022
Analytical Method(s): BTEX by 8021B, TPH (GRO, DRO, ORO, and Total) by 8015B NM, Chloride by 300.0	Matrices Sampled: Soil	Sample Collection Date(s): March 3, 2022
Sampling Objective(s): Collect soil samples to delineate an excavation.		
Sample IDs: Refer to data package sample summary.		

	Review Item or Question	Y	N	NA	Comments
Sample Traceability / Chain of Custody					
1	Were COC forms appropriately completed?		X		The client sample IDs were incorrect on the COC for TT-1 @ 0.5, TT-2 @ 0.5, and TT-3 @ 0.5 (listed as TT-1 @ 05, TT-2 @05, TT-3 @ 05); these samples were logged in with the correct sample IDs by the laboratory.
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
Sample Preservation and Integrity					
4	Did samples arrive at the laboratory appropriately preserved?			X	New Mexico regulations do not require VOC (BTEX and TPH-GRO) analyses for soil to be preserved in the field. Soil samples were collected as grab samples in one bulk jar for samples 12110-1 through 12110-26 and 12110-40 through 12110-42 after homogenizing the soil in a Ziploc bag. Therefore, non-detect and positive BTEX and TPH-GRO results in this data package may be biased low.
	Was the cooler temperature between 0-6°C?	X			
	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
	Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
6	Were any issues noted by the laboratory upon receipt?		X		
7	Were sample preparation and analysis holding time requirements met?	X			
8	AIR ONLY: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Data Completeness					
9	Are results reported for all analytical methods requested?	X			The laboratory reported total TPH and total BTEX for methods 8015B NM and 8021B, respectively, which are not certified by the laboratory.

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	Review Item or Question	Y	N	NA	Comments
10	Are results reported for all samples submitted for analysis?		X		Samples TT-2 @ 7, TT-2 @ 8, TT-3 @ 7, TT-3 @ 8, TT-3 @ 9, TT-4 @ 7, TT-4 @ 8, and TT-4 @ 9 were included on the COC, but were not analyzed for BTEX, TPH, or chloride, as subsequently directed by the TRC project manager. Samples TT-1 @ 7, TT-1 @ 8, and TT-1 @ 9 were included on the COC for BTEX and TPH, but these analyses were not performed, as subsequently directed by the TRC project manager.
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?		X		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?			X	
15	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sensitivity					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All non-detect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).	X			Sample TT-3 @ 2 for BTEX was diluted 500-fold. Samples TT-1 @ 0.5 and TT-2 @ 0.5 for BTEX were diluted 200-fold. Samples TT-1 @ 1, TT-1 @ 2, TT-3 @ 1, and TT-3 @ 3 for BTEX were diluted 100-fold. Samples TT-4 @ 0.5, Dup-1, and Dup-3 for BTEX were diluted 50-fold. Sample Dup-2 for BTEX was diluted 25-fold. Samples TT-2 @ 1, TT-2 @ 2, and TT-2 @ 3 for BTEX were diluted 20-fold. Sample TT-1 @ 5 for BTEX was diluted 10-fold. Sample TT-3 @ 0.5 for benzene was diluted 50-fold and for toluene, ethylbenzene, and xylene isomers was diluted 500-fold. Samples TT-1 @ 0.5, TT-1 @ 1, TT-1 @ 2, TT-2 @ 0.5, TT-2 @ 1, TT-2 @ 2, TT-2 @ 3, TT-3 @ 0.5, TT-3 @ 1, TT-3 @ 2, TT-3 @ 3, TT-4 @ 0.5, Dup-2, and Dup-3 for TPH were diluted 5-fold. Samples TT-1 @ 1 and TT-3 @ 0.5 for chloride were diluted 20-fold. Samples TT-1 @ 2, TT-3 @ 1, TT-3 @ 2, TT-3 @ 3, and Dup-3 for chloride were diluted 10-fold. Sample Dup-1 for chloride was diluted 5-fold.
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?		X		No explanation was provided for the dilutions of TPH or chloride. Explanations are reported in the job narrative for the dilution of select BTEX results. Reporting limits were below project objectives for the diluted non-detect results.
QC Results					
19	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		

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	Review Item or Question	Y	N	NA	Comments
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).			X	
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.		X		In analysis batch 21609, the RPD for TPH-GRO (21%) was above laboratory-defined limits (20%). TPH-GRO was not detected in the associated samples (TT-4 @ 3, TT-4 @ 4, TT-4 @ 5, TT-4 @ 6). Therefore, there is no impact to data usability due to the high RPD. It should be noted that the TPH LCS analyses were performed for TPH-GRO and TPH-DRO, and not TPH-ORO.
26	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSD analyses performed on sample TT-1 @ 3 for BTEX, TPH-GRO, and TPH-DRO, and samples TT-1 @ 4, TT-2 @ 4, and TT-3 @ 5 for chloride. Additional MS/MSDs were performed on non-project samples; these MS/MSD results were not evaluated during this review.
27	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was spiked.	X			
28	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	
29	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. Field duplicate criteria for soil: RPDs <50% when both results >5x the reporting limit (RL). If one of both results < the RL, absolute difference must be <3x RL.		X		RPDs were calculated for duplicate pairs Dup-1 and TT-1 @ 1, Dup-2 and TT-2 @ 1, and Dup-3 and TT-3 @ 1. The following analytes were outside field duplicate criteria for soils: -Benzene, toluene, total BTEX, total TPH, TPH-GRO, TPH-DRO and chloride in duplicate pair Dup-1 and TT-1 @ 1. -Toluene, m,p-xylene, total BTEX, total TPH, TPH-DRO, and chloride in duplicate pair Dup-2 and TT-2 @ 1. -Toluene, ethylbenzene, m,p-xylene, o-xylene, and total xylenes, and total BTEX in duplicate pair Dup-3 and TT-3 @ 1. Therefore, potential uncertainty exists for the BTEX and TPH results listed above in their respective duplicate pairs and potential uncertainty exists for chloride in all samples except Dup-3 and TT-3 @ 1.

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	Review Item or Question	Y	N	NA	Comments
30	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		TPH surrogates 1-chlorooctane and/or o-terphenyl in samples TT-1 @ 0.5, TT-1 @ 1, TT-1 @ 2, TT-2 @ 0.5, TT-2 @ 1, TT-2 @ 2, TT-3 @ 0.5, TT-3 @ 1, TT-3 @ 2, TT-3 @ 3, TT-4 @ 0.5, and Dup-3 with a 5-fold dilution recovered above laboratory-defined limits. Potential high bias exists for the positive TPH-GRO, TPH-DRO, and/or total TPH results in these samples. In samples TT-1 @ 0.5, TT-2 @ 0.5, TT-3 @ 0.5, TT-3 @ 1, TT-4 @ 0.5, and Dup-1, the BTEX surrogate 4-bromofluorobenzene recovered above the laboratory-specified limits. Therefore, positive BTEX results in these samples may be biased high. It should be noted that the surrogate results associated with the 500-fold diluted BTEX analysis of sample TT-3 @ 0.5 were not reported; the recoveries from the 50-fold diluted analysis of this sample were used for the evaluation of potential bias. In sample TT-2 @ 6, the TPH surrogate o-terphenyl recovered above the laboratory-specified limits. Therefore, the positive TPH-DRO and total TPH results in sample TT-2 @ 6 may be biased high. In sample Dup-1, the TPH surrogate 1-chlorooctane recovered above the laboratory-specified limits. Therefore, the positive TPH-GRO, TPH-DRO, and total TPH results in sample Dup-1 may be biased high. In sample Dup-3, the BTEX surrogate 1,4-difluorobenzene recovered below the laboratory-specified limits. All BTEX results were positive in this sample and may be biased low.
Laboratory Comments					
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)?		X		
32	Were any other potential data quality issues identified? If yes, describe issues.		X		
Do the Data Make Sense?					
33	Do any results look questionable?		X		
34	Has the EDD been compared with the lab report?	X			

Reference: United States Environmental Protection Agency (USEPA) - *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020); *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, November 2020)

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes (and isomers)
COC = Chain-of-Custody
DRO = Diesel Range Organics
EDD = Electronic Data Deliverable
GRO = Gasoline Range Organics
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD = Matrix Spike / Matrix Spike Duplicate
NELAP = National Environmental Laboratory Accreditation Program
ORO = Oil Range Organics
QAPP = Quality Assurance Project Plan
QC = Quality Control
%R = Percent Recovery
RPD = Relative Percent Difference = |(A-B)/((A+B)/2)|
TPH = Total Petroleum Hydrocarbon
VOC = Volatile Organic Compounds

Additional Comments: None.

Analytical Data Review Checklist

Site: Hobbs Station LACT 571 Location: Hobbs, NM Client Name: HEP Project #: 488912	Laboratory: Eurofins (Midland, Tx) Lab Report #: 880-15067-1	QA Reviewer: A. Eljuri Peer Reviewer: E. Denly Date: June 21, 2022
Analytical Method(s): BTEX by 8021B, TPH (GRO, DRO, ORO, and Total) by 8015B NM, Chloride by 300.0	Matrices Sampled: Soil, aqueous trip blank	Sample Collection Date(s): May 20, 2022
Sampling Objective(s): Collect soil samples to confirm delineation of excavation.		
Sample IDs: Refer to data package sample summary.		

	Review Item or Question	Y	N	NA	Comments
Sample Traceability / Chain of Custody					
1	Were COC forms appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
Sample Preservation and Integrity					
4	Did samples arrive at the laboratory appropriately preserved?			X	New Mexico regulations do not require VOC (BTEX and TPH-GRO) analyses for soil to be preserved in the field. Soil samples were collected as grab samples in one bulk jar for all soil samples after homogenizing the soil in a Ziploc bag. Therefore, non-detect and positive BTEX and TPH-GRO results in this data package may be biased low.
	Was the cooler temperature between 0-6°C?	X			
	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
	Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
6	Were any issues noted by the laboratory upon receipt?		X		
7	Were sample preparation and analysis holding time requirements met?	X			
8	AIR ONLY: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Data Completeness					
9	Are results reported for all analytical methods requested?	X			The laboratory reported total TPH and total BTEX for methods 8015B NM and 8021B, respectively, which are not certified by the laboratory.
10	Are results reported for all samples submitted for analysis?	X			
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?		X		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.

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	Review Item or Question	Y	N	NA	Comments
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?			X	
15	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sensitivity					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All non-detect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
19	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).		X		
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.		X		In analysis batch 26223, the percent recovery for chloride (68%) recovered below laboratory-defined limits (90-110%). Refer to Item 25 for qualification of chloride results associated with analysis batch 26223. It should be noted that the TPH LCS analyses were performed for TPH-GRO and TPH-DRO, and not TPH-ORO.
24	Does each analytical or preparation batch have its own LCS?	X			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.		X		In analysis batch 26134, the RPDs for TPH-GRO (31%) and TPH-DRO (22%) were above the laboratory-defined limit (20%). Therefore, potential uncertainty exists for the positive TPH-GRO and total TPH results in samples SW-5 @ 4 and SW-8 @ 3. The remaining TPH results were nondetect and therefore not affected by the high RPDs. In analysis batch 26223, the RPD for chloride (38%) was above the laboratory-defined limit (20%). Therefore, potential uncertainty exists for the positive chloride results in samples SW-5 @ 4, SW-6 @ 4.5, SW-7 @ 2, SW-8 @ 3, DUP-1, and DUP-2 due to the high RPD and low LCS recovery.
26	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSD analyses were performed on samples SW-5 @ 4 and CS-1 @ 3 for BTEX, TPH-GRO, and TPH-DRO, and samples CS-1 @ 3 and CS-11 @ 1 for chloride. Additional MS/MSDs were performed on non-project samples; these MS/MSD results were not evaluated during this review.

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	Review Item or Question	Y	N	NA	Comments
27	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was spiked.	X			
28	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	
29	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. Field duplicate criteria for soil: RPDs <50% when both results >5x the reporting limit (RL). If one of both results < the RL, absolute difference must be <3x RL.	X			RPDs were calculated for duplicate pairs DUP-1 and CS-1 @ 3 and DUP-2 and SW-2 @ 2. All RPDs were within field duplicate criteria for soil.
30	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		In samples CS-1 @ 3, CS-2 @ 3, CS-3 @ 5, CS-6 @ 5, CS-7 @ 5, CS-8 @ 5, CS-10 @ 4, CS-11 @ 1, CS-12 @ 1, CS-13 @ 1, CS-14 @ 1, CS-15 @ 1, SW-1 @ 2, SW-2 @ 2, SW-3 @ 0.5, and SW-4 @ 3, the BTEX surrogate 4-bromofluorobenzene recovered above the laboratory-specified limits. Therefore, positive VOC results may be biased high as follows: toluene in CS-3 @ 4; toluene, ethylbenzene, total xylenes and xylene isomers, and total BTEX in SW-3 @ 0.5; and o-xylene, total xylenes, and total BTEX in SW-4 @ 3.
Laboratory Comments					
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)?		X		
32	Were any other potential data quality issues identified? If yes, describe issues.	X			Results for total BTEX were nondetect in samples SW-5 @ 4 and CS-3 @ 5 although toluene was detected in these samples. The results for toluene in these samples were below the reporting limit for total BTEX.
Do the Data Make Sense?					
33	Do any results look questionable?		X		
34	Has the EDD been compared with the lab report?	X			

Reference: United States Environmental Protection Agency (USEPA) - *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020); *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, November 2020)

BTEX = Benzene, Toluene, Ethylbenzene, Total Xylenes (and isomers)
COC = Chain-of-Custody
DRO = Diesel Range Organics
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GRO = Gasoline Range Organics
LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD = Matrix Spike / Matrix Spike Duplicate
NELAP = National Environmental Laboratory Accreditation Program
ORO = Oil Range Organics
QAPP = Quality Assurance Project Plan
QC = Quality Control
%R = Percent Recovery
RPD = Relative Percent Difference = 100% x |(A-B)/((A+B)/2)|
TPH = Total Petroleum Hydrocarbon
VOC = Volatile Organic Compounds

Additional Comments: None.

Analytical Data Review Checklist

Site: Hobbs Station LACT 571 Location: Hobbs, NM Client Name: HEP Project #: 488912	Laboratory: Eurofins (Midland, TX) Lab Report #: 880-15466-1	QA Reviewer: A. Eljuri Peer Reviewer: E. Denly Date: June 20, 2022
Analytical Method(s): TPH (GRO, DRO, ORO, and Total) by 8015B NM	Matrices Sampled: Soil	Sample Collection Date(s): June 3, 2022
Sampling Objective(s): Collect soil samples to delineate an excavation.		
Sample IDs: Refer to data package sample summary.		

	Review Item or Question	Y	N	NA	Comments
Sample Traceability / Chain of Custody					
1	Were COC forms appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			Per the COC, the client sample IDs for SW-3A @0.5 and SW-3B @0.5 should be SW-3A @ 0.5 and SW-3B @ 0.5, respectively.
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
Sample Preservation and Integrity					
4	Did samples arrive at the laboratory appropriately preserved?			X	New Mexico regulations do not require VOC (TPH-GRO) analyses for soil to be preserved in the field. Soil samples were collected as grab samples in one bulk jar after homogenizing the soil in a Ziploc bag. Therefore, non-detect and positive BTEX and TPH-GRO results in this data package may be biased low.
	Was the cooler temperature between 0-6°C?	X			
	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
	Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		
5	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
6	Were any issues noted by the laboratory upon receipt?		X		
7	Were sample preparation and analysis holding time requirements met?	X			
8	AIR ONLY: Were canisters received with an acceptable vacuum? Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Data Completeness					
9	Are results reported for all analytical methods requested?	X			The laboratory reported total TPH for method 8015B NM, which are not certified by the laboratory.
10	Are results reported for all samples submitted for analysis?	X			
11	Were the requested analytical methods used?	X			
12	Are results reported for all target analytes, but no additional analytes?	X			
13	Were soil/sediment results reported on a dry weight basis?		X		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.

TRC

Analytical Data Review Checklist

	Review Item or Question	Y	N	NA	Comments
14	If requested, were detected results below the reporting limit (i.e., "J" values) reported?			X	
15	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sensitivity					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			All non-detect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameter(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
19	Were any target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).			X	
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs and the affected samples.	X			
26	Are MS/MSD recoveries within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.			X	MS/MSDs were performed on non-project samples; these MS/MSD results were not evaluated during this review.
27	Are MS/MSD RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was spiked.			X	
28	Are laboratory duplicate RPDs within QC limits? NOTE: If not performed on a project sample, evaluation is not required. If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	

Analytical Data Review Checklist

	Review Item or Question	Y	N	NA	Comments
29	Are field duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the associated samples. Field duplicate criteria for soil: RPDs <50% when both results >5x the reporting limit (RL). If one of both results < the RL, absolute difference must be <3x RL.			X	
30	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
Laboratory Comments					
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences)?		X		
32	Were any other potential data quality issues identified? If yes, describe issues.		X		
Do the Data Make Sense?					
33	Do any results look questionable?		X		
34	Has the EDD been compared with the lab report?	X			

Reference: United States Environmental Protection Agency (USEPA) - *National Functional Guidelines for Organic Superfund Methods Data Review* (USEPA, November 2020); *National Functional Guidelines for Inorganic Superfund Methods Data Review* (USEPA, November 2020)

COC = Chain-of-Custody
DRO = Diesel Range Organics
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LCS/LCSD = Laboratory Control Sample / Laboratory Control Sample Duplicate
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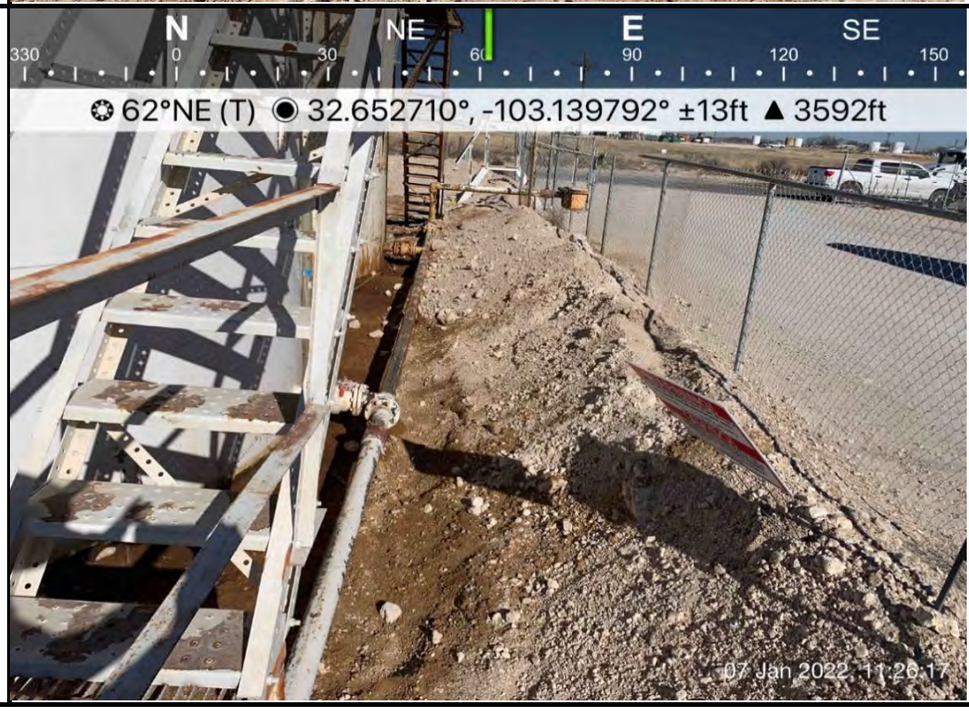
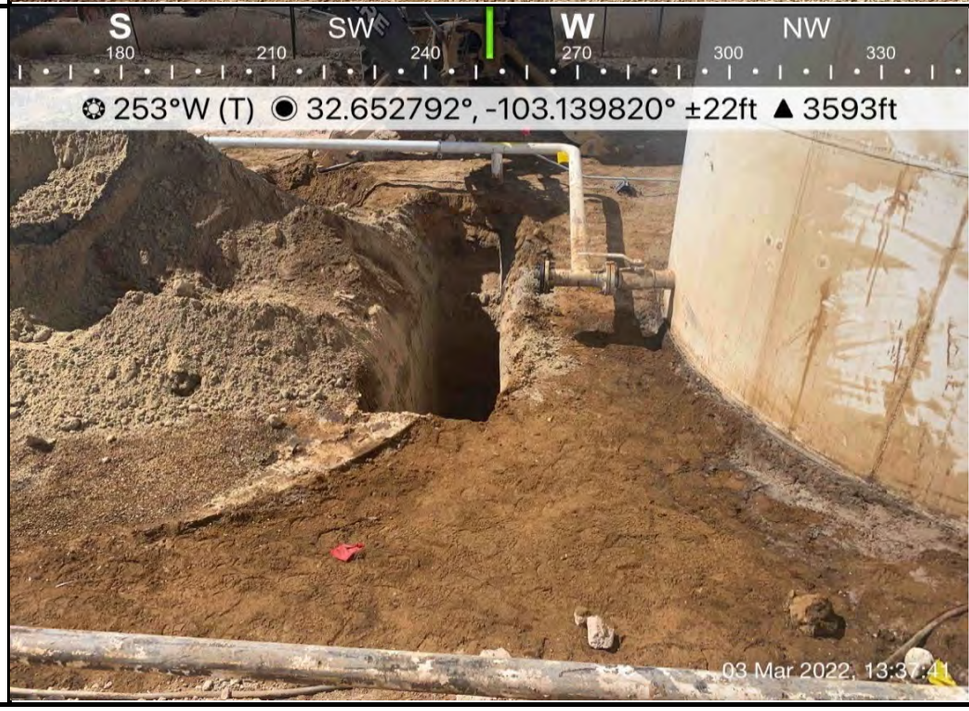
NELAP = National Environmental Laboratory Accreditation Program
ORO = Oil Range Organics
QAPP = Quality Assurance Project Plan
QC = Quality Control
%R = Percent Recovery
RPD = Relative Percent Difference = 100 x |(A-B)/((A+B)/2)|
TPH = Total Petroleum Hydrocarbon
VOC = Volatile Organic Compounds

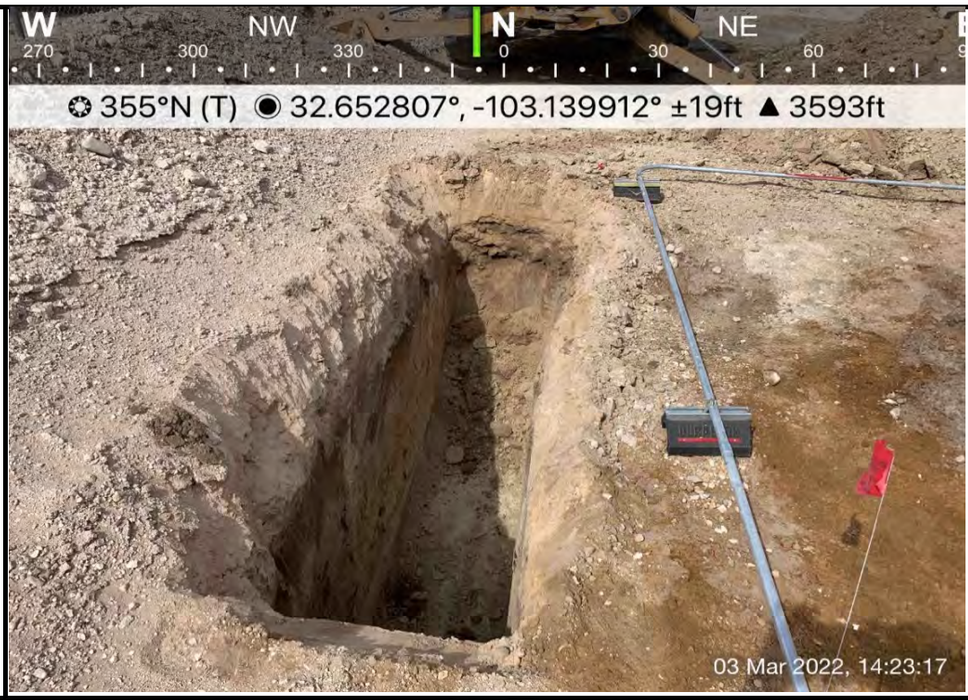
Additional Comments: None.

Appendix E: Photographic Documentation

Photograph No. 1 **Date:** **1/7/2022** **Direction:** **Southeast** **Description:** **View of initial release**	
Photograph No. 2 **Date:** **1/7/2022** **Direction:** **Southwest** **Description:** **View of initial release**	

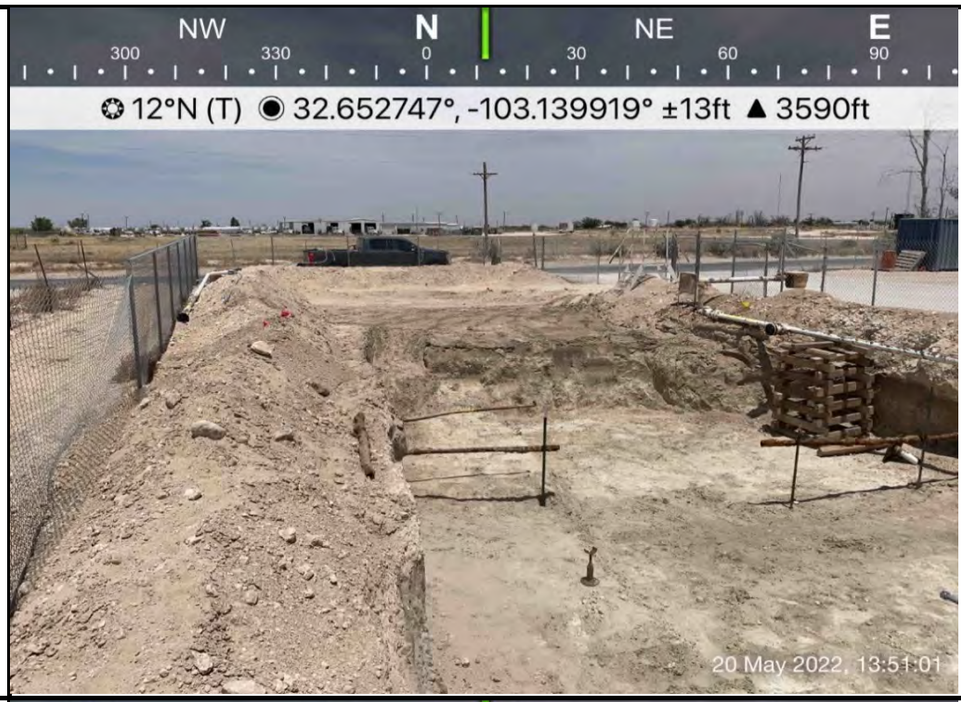
Photograph No. 3 **Date:** **1/7/2022** **Direction:** **West-Southwest** **Description:** **View of initial release**	
Photograph No. 4 **Date:** **1/7/2022** **Direction:** **East-Northeast** **Description:** **View of initial release**	

Photograph No. 5 **Date:** **3/3/2022** **Direction:** **Southwest** **Description:** **View of delineation activities:** **TT-1/Area 1**	
Photograph No. 6 **Date:** **3/3/2022** **Direction:** **West-southeast** **Description:** **View of delineation activities:** **TT-2/Area 2**	

Photograph No. 7 **Date:** **3/3/2022** **Direction:** **North** **Description:** **View of delineation activities:** **TT- 3/Area 3**	
Photograph No. 8 **Date:** **3/3/2022** **Direction:** **Southwest** **Description:** **View of delineation activities:** **TT-4/Area 4**	

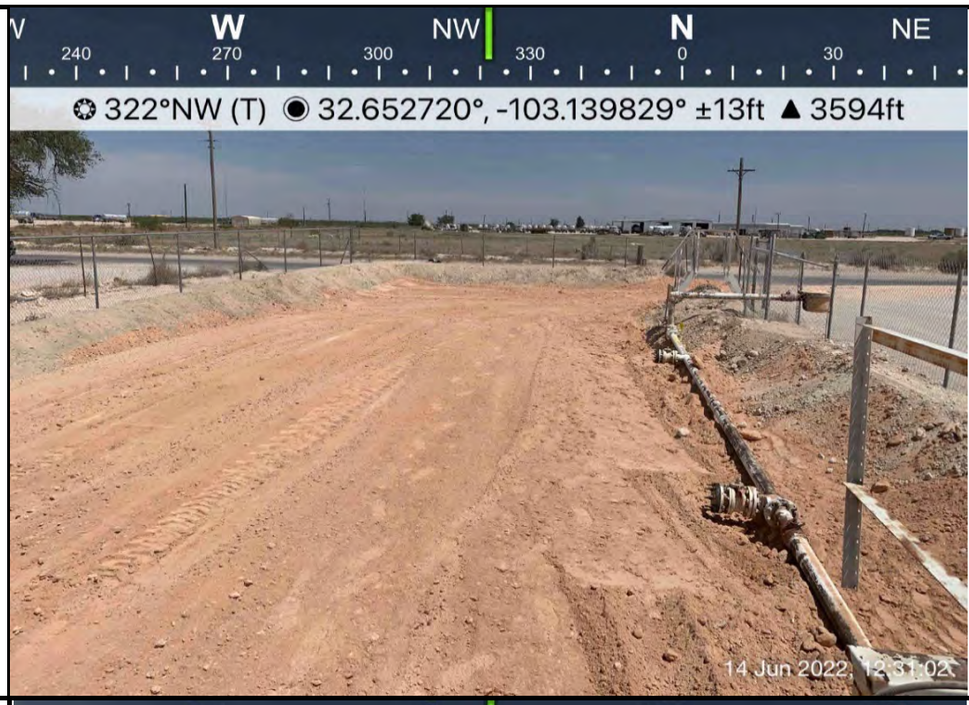
Photograph No. 9 **Date:** **5/3/2022** **Direction:** **Northwest** **Description:** **View of remediation activities in Area 1**	
Photograph No. 10 **Date:** **5/3/2022** **Direction:** **East-Southeast** **Description:** **View of remediation activities in Areas 1 and 2**	

Photograph No. 11 **Date:** **5/4/2022** **Direction:** **North** **Description:** **View of additional remediation activities in Areas 1 and 2**	
Photograph No. 12 **Date:** **5/20/2022** **Direction:** **South** **Description:** **View of remediation activities**	

Photograph No. 13 **Date:** **5/20/2022** **Direction:** **North** **Description:** **View of additional remediation activities**	
Photograph No. 14 **Date:** **5/20/2022** **Direction:** **Northeast** **Description:** **View of additional remediation activities**	

Photograph No. 15 **Date:** **6/13/2022** **Direction:** **North** **Description:** **View of backfill activities**	
Photograph No. 16 **Date:** **6/13/2022** **Direction:** **East** **Description:** **View of disposal activities**	

Photograph No. 17 **Date:** **6/14/2022** **Direction:** **South** **Description:** **View of excavation following backfilling activities**	
Photograph No. 18 **Date:** **6/14/2022** **Direction:** **North** **Description:** **View of excavation following backfilling activities**	

Photograph No. 19 **Date:** **6/14/2022** **Direction:** **Northwest** **Description:** **View of excavation following backfilling activities**	
Photograph No. 20 **Date:** **6/14/2022** **Direction:** **South** **Description:** **View of stockpile area following hauling operations**	

Appendix F: Disposal Tickets and Transporter Manifests

3 viajes de caliche
6 viajes de Tierra contaminada

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M

Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON- EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO BOX 1263, Hobbs, NM, 88241

Truck # 07 01

Name: T. HERRERA

Signature: Tranquelino Herrera

Date: 6-13-22

DISPOSAL SITE:

J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: Tranquelino Herrera

Date: 6-13-22

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

1 taylor

SHIPPERS FACILITY NAME AND ADDRESS: 1 contaminada LOCATION OF MATERIAL:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON-EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: ~~6/13/2022~~ 6-14-22

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO BOX 1263, Hobbs, NM, 88241

Truck 01

Name: T Herrera

Signature: Torquelina Her

Date: 06-14-22

DISPOSAL SITE:
J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON- EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO
BOX 1263, Hobbs, NM,
88241

Truck #4

Name: Orlando Solis

Signature: Orlando S.

Date: 6/13/22

DISPOSAL SITE:
R&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON- EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO
BOX 1263, Hobbs, NM,
88241

Truck #4

Name: Orlando Solis

Signature: Orlando S.

Date: 6/14/22

DISPOSAL SITE:
J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON- EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO BOX 1263, Hobbs, NM, 88241

Truck C-24

Name: Juan Chavira

Signature: JCH

Date: 6-14-22

DISPOSAL SITE:
J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON- EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER (DRIVER)

M Mata Trucking, PO BOX 1263, Hobbs, NM, 88241

Truck C-24

Name: Juan Chavera

Signature: JCH

Date: 6-13-22

DISPOSAL SITE:
J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON-EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO BOX 1263, Hobbs, NM, 88241

Truck #5

Name: José Arreola

Signature: José Arreola

Date: 06/13/2022

DISPOSAL SITE:
J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

SHIPPERS FACILITY NAME AND ADDRESS:

Holly Energy Partners
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL:

Site: Hobbs Station LACT 571
Location: 32.652771, -103.139880
Lea County, New Mexico
NMPA:N/A

TRANSPORTERS NAME AND ADDRESS: M
Mata Trucking,
PO BOX 1263,
Hobbs, NM, 88241

DESCRIPTION OF WASTE:

E&P NON- EXEMPT SOIL

VOLUME: approx. 500 cubic yards

FACILITY CONTACT:

Melanie Nolan
Holly Energy Partners
1602 W. Main St., Artesia, NM 88210

Signature: Melanie Nolan

Date: 6/13/2022

NAME OF TRANSPORTER: (DRIVER)

M Mata Trucking, PO BOX 1263, Hobbs, NM, 88241

Truck #5

Name: José Arreola

Signature: José Arreola

Date: 06 / 14 / 2022

DISPOSAL SITE:
J&L Landfarm
P.O. Box 356
Hobbs, NM 88241
Permit # NM-01-0023

Signature: _____

Date: _____

Direct Bill: Holly Energy Partners
Care Of: Melanie Nolan

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 125925

CONDITIONS

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 125925
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	7/21/2022