

SITE CHARACTERIZATION REPORT AND REMEDIATION WORK PLAN

Hobbs Station Tank 5202 Release Latitude 32.65002°, Longitude -103.142669° Lea County, New Mexico NMOCD No. nAPP2300439852

September 26, 2023

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC), on behalf of Holly Energy Partners – Operating, L.P. (HEP), has prepared this *Site Characterization Report and Remediation Work Plan* for a crude oil release at the Hobbs Station Tank 5202 (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 property is privately owned by Enterprise Products and is leased to HEP. The global positioning system (GPS) coordinates for the release point, which is the approximate center of the affected soil footprint, are latitude 32.65002°, longitude -103.142669°. These coordinates correct the erroneous release coordinates shown on the initial Form C-141 (latitude 36.6506°, longitude -103.1419°). 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 30, 2022, a release of approximately 16 barrels (bbls) of crude oil was discovered when crude oil was observed on the ground surface at the above-referenced GPS coordinates. The release occurred due to corrosion of a 12-inch diameter out-of-service steel pipe (dead leg pipe), which was connected to crude oil Tank 5202, located approximately 100 feet northwest of the release location. The dead leg pipe was approximately 4 feet deep in the area of the release. Once discovered, the release was stopped by closing the valve from Tank 5202 to the dead leg pipe. The release was confined entirely within the HEP property boundary.

Initial notification of the release was provided to the New Mexico Oil Conservation Division (NMOCD) via the NMOCD E-Permitting Notification of Release website on December 30, 2022. NMOCD accepted notification of the release and assigned incident ID No. nAPP2300439852 in a January 4, 2023, email. Following discovery of the release, the dead leg pipe was exposed and a section of the pipe was removed from the pipe excavation in January 2023. The pipe excavation was extended to a depth of approximately 4 to 6 feet bgs based on observations (staining and odor) of crude oil-affected soil; a total of approximately 150 cubic yards (cy) of affected soil were excavated and stockpiled on plastic sheeting immediately adjacent to the pipe excavation.

Initial assessment and delineation activities were conducted by TRC on March 8, 2023, using a backhoe. Due to rock refusal, vertical delineation of the hydrocarbon-affected soil was not completed. On behalf of HEP, TRC notified the NMOCD via email on March 28, 2023, that additional delineation and excavation of affected soil would be conducted and requested a 90-day extension (i.e., to June 28, 2023). In a March 29, 2023, email, NMOCD indicated that the initial Release Notification and Corrective Action Form (Form C-141) had not been submitted and requested that HEP submit Form C-141 immediately. As requested, HEP submitted the Form C-141 to the NMOCD via email and NMOCD portal on March 29, 2023. NMOCD approved the Form C-141 and 90-day extension request via email on March 29, 2023.



On May 11, 2023, additional assessment and delineation activities were conducted by TRC via tracked excavator to determine the extent of affected soil. Lateral delineation of the affected soil was achieved. Due to equipment limitations (i.e., the maximum depth of 18 feet bgs), vertical delineation of affected soil was not achieved. On behalf of HEP, TRC notified the NMOCD via email on June 27, 2023, that additional delineation and excavation of affected soil would be conducted and requested a 90-day extension (i.e., to September 26, 2023). NMOCD approved the 90-day extension request via email on June 29, 2023.

In August 2023, additional assessment and delineation activities were conducted using a sonic drill rig. Two soil borings were advanced to a depth of 50 feet bgs. The results provided vertical delineation of the affected soil. The March, May, and August 2023 assessment and delineation activities and results are discussed in Section 4.

The release location relative to nearby wells, wetlands and floodplains, and karst potential are depicted in Figures 2 through 4, respectively. The release location and initial pipe excavation are shown on Figure 5. The affected soil footprint (i.e., release area) is consistent with the initial pipe excavation. An updated and signed Form C-141 is included in Appendix A. 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 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. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.



- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

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

3.1 Groundwater Evaluation

3.1.1 Site Investigation

In August 2023, assessment and delineation activities were conducted using a Sonic drilling rig. Two soil borings (SB-2 and SB-4) were advanced to a depth of 50 feet bgs. Boring SB-2 was co-located with test trench TT-2, while boring SB-4 was co-located with test trench TT-4. The lithology beneath the site was observed to consist of backfill (sand and caliche) and caliche to an approximate depth of 20 feet, sandstone to a depth of 30 feet bgs, caliche and gravel to a depth of 35 feet bgs, and sandstone to a depth of 50 feet bgs. Soil in both borings was observed to be dry to the total depth investigated; groundwater was not encountered to a depth of 50 feet bgs. Boring logs for borings SB-2 and SB-4 are included in Appendix C.

3.1.2 Depth to Groundwater Records Research in Surrounding Area

Review of the New Mexico Office of the State Engineer (NMOSE) records indicated 20 wells have been drilled or permitted within 0.5-mile of the release site, as depicted on Figure 2, and described below. This includes seven borings/monitoring wells that were permitted for HEP to conduct the site investigation (L-15534 POD 1 through POD 7), of which only two soil borings have been completed (SB-2 and SB-4). Based on NMOSE records, the depth to water ranges from 35 feet bgs in Prospecting and Development well L-04335, located 0.4 mile north of the site, and 130 feet bgs in Arco domestic well L-08890, located 0.3 mile southeast of the site. Generally, NMOSE well records indicate the depth to water exceeds 50 feet bgs.

Water Wells Drilled within a 0.5-mile Radius as Listed in NMOSE Database

Well ID	Distance (mi.) and Direction from Release Site	Owner	Use	Well Depth (feet bgs)	Depth to Water (feet bgs)
L-15534 POD 1-POD 7	Site Borings (only POD1 and POD2 have been drilled)	НЕР	Monitoring (plugged borings)	50 feet (borings SB-2 and SB-4)	Not Encountered
L-08279	0.4 Northeast	Ella Estelle Lee	Domestic	130	58
L-13653 POD1	0.4 Northeast	Agrora Gonzales	Domestic	140	75
L-08890	0.1 Southeast	Arco Pipe Line Company	Domestic	130	130
L-11587	0.3 Southeast	Cindy Yearout	Domestic	136	



Well ID	Distance (mi.) and Direction from Release Site	Owner	Use	Well Depth (feet bgs)	Depth to Water (feet bgs)
L-11593	0.2 Northeast	Teppco Crude Pipeline	Public	125	
L-13312 POD4	0.1 North	HEP	Monitoring	63	44
L-13312 POD2	0.1 North	HEP	Monitoring	60	45
L-13312 POD3	0.1 North	HEP	Monitoring	60	53
L-13312 POD1	0.1 North	HEP	Monitoring	60	45
L-13242 POD1	0.4 Northeast	Conestoga Rovers and Assoc.	Monitoring	63	54
L-13242 POD2	0.4 Northeast	Conestoga Rovers and Assoc.	Monitoring	64	54
L-04335	0.4 Northwest	McAlester Fuel Company	Prospecting and Development	110	35
L-12154 POD1	0.4 North	Teppco Crude Oil Trucking	Sanitary in Conjunction with Commercial Use	160	

Per NMOCD records, the Hobbs Station Tank 5201 (AP-113) release site is located 400 feet north of the site. As shown on Figure 5, there are five monitoring wells associated with the Tank 5201 release site. The locations of the five monitoring wells are generally consistent with the four well IDs L-13312 POD 1 through POD 4 on the NMOSE database, as shown on Figure 2 (only four wells are shown on the NMOSE database). The monitoring wells, which are screened in the uppermost groundwater bearing unit beneath the site, are gauged and sampled semi-annually. As documented in the March 2023 *Site Status Report for 2022*, the total well depth and depth to water for Hobbs Station Tank 5021 wells MW-1 through MW-5 are summarized on the table below.



Tank 5201 Monitor Well Data – December 2022

Monitor Well ID	Total Well Depth* (feet bgs)	Depth to Water* (feet bgs)
MW-1	49.50	Dry (>49.50)
MW-2	49.95	Dry (>49.95)
MW-3	50.68	Dry (>50.68
MW-4	60.13	51.18
MW-5	55.67	51.83

^{*}Total well depth and depth to groundwater measurements corrected by the surveyed length of each above-ground well stick-up to provide depth from ground surface.

Notably, wells MW-1 and MW-2 have been dry since 2020, while well MW-3 has been dry since 2021. This data indicate that the groundwater beneath the site is deeper than 51 feet bgs.

3.2 Surface Features and Other Development

TRC reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. Based on this review, the site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
 - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the site in the aerial photography shown on Figure 2 or appear on the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary highwater mark).
 - The topographic map, aerial photography, and floodplain maps (Figures 1, 2, and 3, respectively) indicate there is not a lakebed, sinkhole, or playa lake located within 200 feet of the site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
 - The aerial photography shown on Figure 2 and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution, or church within 300 feet of the site. As shown on the aerial base map of Figure 2, the nearest permanent residence is located approximately 2,400 feet to the northeast.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.



- No wells or springs located within 500 feet of the site appear in the NMOSE records reviewed by TRC. The nearest domestic water well (L-08890) is located approximately 700 feet east-southeast of the release area (the well is listed by NMOSE as a domestic well but is owned by Arco Pipe Line and there is no residence in the vicinity of the mapped well location at the southern boundary of the Hobbs Station facility).
- Within 1,000 feet of any fresh water well or spring.
 - One freshwater well is located within 1,000 feet of the site, based on the NMOSE records reviewed by TRC. Domestic water well (L-08890) is located approximately 700 feet east-southeast of the release area (the well is listed by NMOSE as a domestic well but is owned by Arco Pipe Line and there is no residence in the vicinity of the mapped well location at the southern boundary of the Hobbs Station facility).
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
 - Based on the property and other records reviewed by TRC, the site is not located within a municipal freshwater well field.
- Within the area overlying a subsurface mine.
 - Based on the property and other records reviewed by TRC, the site is not within the area overlying a subsurface mine.

3.3 3.3 Wetlands, Floodplain, and Karst Geology

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 the "low karst potential" area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the site is located outside of a 100-year floodplain. Figure 3 and Figure 4 depict the wetlands and FEMA floodplain information, and the karst potential data, respectively.

3.4 Closure Criteria Currently Assumed Applicable to the Site

The closure criteria for the site was evaluated based on depth to groundwater, surface features, and other development, as described above. A summary of the NMOCD Closure Criteria is provided in the table below and in Table 1.



NMOCD Closure Criteria

		Closure Criteria Based on Depth to Groundwater (mg/kg)				
Consti	tuent of Concern	≤ 50 feet bgs	51 to 100 feet bgs	> 100 feet bgs		
Chlo	ride (EPA 300)	600	10,000	20,000		
TPH (EPA	GRO + DRO + MRO	100	2,500	2,500		
8015M)	GRO + DRO	NA	1,000	1,000		
Total BTEX (EPA 8021 or 8260)		260) 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 SITE ASSESSMENT/CHARACTERIZATION RESULTS

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

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant site infrastructure, sample locations, and known subsurface features is provided as Figure 5. Two underground electrical lines and one underground gas line were discovered during pipe excavation and assessment activities. One electrical line crosses the pipe excavation just northwest of the release point, while the second electrical line was discovered northwest of the pipe excavation. The gas line is present southeast of the pipe excavation. All three lines are oriented northeast-southwest and are shown on Figure 5.

4.2 Depth to Groundwater

As discussed in Section 3, the depth to groundwater beneath the site is approximately 51 to 52 feet bgs. This is based on December 2022 depth to groundwater measurements from permanent monitor wells MW-1 through MW-5 at the Hobbs Station Tank 5201 site located 400 feet north of the site. Further, groundwater was not encountered in soil borings SB-2 and



SB-4 drilled at the site to a depth of 50 feet bgs. The locations of Hobbs Station Tank 5201 wells MW-1 through MW-5 and site borings SB-2 and SB-4 are shown on Figure 5.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 2. According to the NMOSE database, four domestic and one public well are located within 0.5-mile of the site. The well listed by NMOSE as a public well (L-11593) is owned Teppco Crude Pipeline and was likely erroneously classified as a public well upon installation and filing.

4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the site. There are no watercourses depicted on Figure 1.

4.5 Site Characteristics

Site characteristics discussed in Section 4.5 refer to the March, May, and August 2023 assessment and delineation results. Cumulative soil sample analytical results are presented on Table 1.

4.5.1 March and May 2023 Assessment and Delineation

Initial assessment of the release area was conducted on March 8, 2023. Test trenches TT-1 through TT-4 were excavated to depths ranging from 5 to 13 feet using a backhoe throughout the pipe excavation (i.e., release area) to determine the lateral and vertical extent of affected soil. The test trenches were approximately 5 to 7 feet long and 3 feet wide. Soil samples were collected at 0.5- to 1-foot intervals from 4 feet bgs in TT-3 and 5 feet bgs in TT-1, TT-2, and TT-4 to the total depth of each test trench. The soil samples were collected in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for laboratory analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, and chloride by EPA Method 300. For quality assurance/quality control (QA/QC) purposes, trip blanks were placed in each sample cooler and analyzed for BTEX only.

The lithology was observed to consist of backfill (sand and caliche from previous trenching activities) and caliche to the total depth investigated of 13 feet bgs. Due to rock refusal and observations of odor and staining to the total trench depth at test trenches TT-2 and TT-4, vertical delineation of the hydrocarbon-affected soil was not completed. For the safety of site personnel, the excavated soil was used to temporarily backfill the test trenches.

On May 11, 2023, additional assessment was conducted to delineate the lateral and vertical extent of affected soil indicated by the results of the March 2023 assessment. Test trenches were excavated using a larger track-mounted excavator, which could better penetrate the hard



caliche lithology and had a longer reach. The test trenches were approximately 5 to 7 feet long and 3 feet wide. March 2023 test trenches TT-2 (which was previously excavated to a depth of 5 feet bgs) and TT-4 (which was previously excavated to a depth of 12 feet bgs) were extended to a depth of 18 feet bgs, the maximum reach of the excavator. Soil samples were collected at 1-foot intervals from 7 feet bgs at TT-2 and 13 feet bgs at TT-4 to 18 feet bgs. The soil samples were collected in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for laboratory analysis of BTEX by EPA Method SW8260, TPH by EPA Method 8015M, and chloride by EPA Method 300. For QA/QC purposes, a duplicate sample was collected from TT-4, while trip blanks were placed in each sample cooler and analyzed for BTEX only.

To delineate the lateral extent of affected soil, test trenches TT-5 and TT-6 were excavated to a depth of 16 feet bgs southwest and northeast of the pipe excavation, respectively. Soil samples were collected at 1-foot intervals from 5 to 16 feet bgs. The soil samples were collected in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for laboratory analysis of BTEX by EPA Method 8260C, TPH by EPA Method 8015M, and chloride by EPA Method 300. For QA/QC purposes, trip blanks were placed in each sample cooler and analyzed for BTEX only.

The lithology was observed to consist of backfill (sand and caliche from previous trenching activities) and caliche to the total depth investigated of 18 feet bgs. Due to equipment limitations (maximum safe reach of the equipment is 18 feet) and observations of odor and staining to the total depth of test trenches TT-2 and TT-4 (and based on the soil sample analytical results discuss below), vertical delineation of the hydrocarbon-affected soil was not completed. For the safety of site personnel, the excavated soil was used to temporarily backfill the test trenches.

The March and May 2023 test trench locations are depicted on Figure 5. Photographs of the site from the March and May 2023 assessment activities are provided in Appendix D.

4.5.1 March and May 2023 Soil Sample Analytical Results and Delineation Status

Laboratory analytical results for the March and May 2023 soil samples were compared to the NMOCD Closure Criteria for sites where groundwater is present from 51 to 100 feet bgs. The soil sample analytical results and Closure Criteria are summarized on Table 1.

At test trenches TT-5 and TT-6, none of the detected chloride concentrations or non-detect TPH and BTEX sample reporting limits exceeded the Closure Criteria. These samples provide lateral delineation of affected soil to the southwest and northeast of the release area and pipe excavation.

At test trenches TT-1 and TT-3, located near the southeastern and northwestern ends of the pipe excavation, the soil sample results indicated exceedances of the Closure Criteria for



benzene; the sum of benzene, toluene, ethylbenzene, and xylenes (total BTEX); the sum of TPH gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO) (i.e., total TPH); and/or the sum of TPH GRO and DRO (i.e., TPH GRO+DRO) concentrations from 5 to 10 feet bgs in TT-1 and 4 to 10 feet bgs in TT-3. Chloride was not detected above its Closure Criterium in any sample. These samples provide vertical delineation of affected soil near the southeastern and northwestern ends of the pipe excavation.

At test trenches TT-2 and TT-4, located adjacent to the release location within the pipe excavation, the soil sample results indicated exceedances of the Closure Criteria for benzene, total BTEX, TPH GRO+DRO, and/or total TPH concentrations from 5 to 18 feet bgs. Chloride was not detected above its Closure Criterium in any sample. These samples did not provide vertical delineation of affected soil near the release location within the pipe excavation.

Overall, the March and May 2023 assessment and delineation results indicated additional vertical delineation of affected soil was still required at TT-2 and TT-4.

Copies of the laboratory analytical reports and chain-of-custody documentation for the soil samples collected in March and May 2023 are provided in Appendix E.

4.5.2 August 2023 Assessment and Delineation Activities

On August 1 and 30, 2023, soil borings were advanced by Talon LPE using a sonic drilling rig to determine the vertical extent of affected soil at test trenches TT-2 and TT-4. Prior to drilling, the pipe excavation was partially backfilled using the previously excavated and stockpiled soils to facilitate safely staging of the drilling rig within the release area.

Boring SB-4 was drilled on August 1, 2023, to a total depth of 50 feet bgs and was co-located with test trench TT-4, located just east of the release location and within the release area. Continuous soil samples were collected for logging and sampling purposes. Non-dedicated sampling equipment was decontaminated prior to its initial use and before each sample was collected. Soil samples were collected at 5-foot intervals from 20 to 40 feet bgs. The soil samples were collected in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for laboratory analysis of by EPA Method 8260C, TPH by EPA Method 8015M, and chloride by EPA Method 300. For QA/QC purposes, a duplicate sample was collected from SB-4 and trip blanks were placed in each sample cooler and analyzed for BTEX only. Following drilling, the borehole was abandoned and plugged with hydrated bentonite chips. The sonic drill rig broke down after drilling at SB-4, so drilling of SB-2 was delayed.

After the sonic drill rig was repaired, boring SB-2 was drilled on August 30, 2023, to a total depth of 50 feet bgs. Boring SB-2 was co-located with test trench TT-2, located northwest of the release location and within the release area. Continuous soil samples were collected for logging and sampling purposes. Non-dedicated sampling equipment was decontaminated prior to its



initial use and before each sample was collected. Soil samples were collected at 5-foot intervals from 15 to 40 feet bgs. The soil samples were collected in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for laboratory analysis of BTEX by EPA Method 8260C, TPH by EPA Method 8015M, and chloride by EPA Method 300. For QA/QC purposes, trip blanks were placed in each sample cooler and analyzed for BTEX only. Following drilling, the borehole was abandoned and plugged with hydrated bentonite chips.

The observed lithology beneath the site consisted of backfill (sand and caliche from previous trenching activities) and caliche to a depth of 20 feet bgs, sandstone to a depth of 30 feet bgs, caliche and gravel to a depth of 35 feet bgs, and sandstone to the total depth investigated of 50 feet bgs. Soil in both borings was observed to be dry to the total depth investigated of 50 feet bgs; no groundwater was encountered. Boring logs for borings SB-2 and SB-4 are included in Appendix C. Soil cuttings from the borings were staged in the existing plastic-lined stockpile immediately adjacent to the pipe excavation.

The August 2023 soil boring locations are depicted on Figure 5. Photographs of the site from the March and May 2023 assessment activities are provided in Appendix D.

4.5.3 August 2023 Soil Sample Analytical Results and Delineation Status

Laboratory analytical results for the August 2023 soil samples were compared to the NMOCD Closure Criteria for sites where groundwater is present from 51 to 100 feet bgs. The soil sample analytical results and Closure Criteria are summarized on Table 1.

Only one soil sample collected from borings SB-2 and SB-4 had BTEX and/or TPH concentrations above Closure Criteria: the sample collected at 15 feet bgs from boring SB-2 had total BTEX, TPH GRO+DRO, and total TPH concentrations above the Closure Criteria. The detected and non-detect reporting limit concentrations in the remaining samples collected from 20 to 40 feet bgs did not exceed the Closure Criteria for BTEX, TPH, or chloride.

Overall, the March, May, and August 2023 assessment and delineation results indicate the following:

- Benzene, total BTEX, TPH GRO+DRO, and total TPH concentrations have been laterally and vertically delineated to the Closure Criteria.
- Chloride does not exceed the Closure Criterion in soil at the site.
- The lateral extent of affected soil is consistent with the initial pipeline excavation shown on Figure 5.
- The vertical extent of affected soil extends to a depth of 10 feet at the northwestern and southeastern ends of the initial pipe excavation (i.e., at TT-3 and TT-1), and extends



to a depth of 18 feet bgs in the middle portion of the initial pipe excavation near the release point (i.e., at TT-2/SB-2 and TT-4/SB-4).

Based on the results of the assessment and delineation activities, the release area is approximately 800 square feet. The release area and initial pipe excavation are shown on Figure 5.

Copies of the laboratory analytical reports and chain-of-custody documentation for the soil samples collected in March and May 2023 are provided in Appendix E.

4.5.4 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reports generated by Eurofins Xenco Laboratory in Midland, Texas for the assessment and delineation sampling activities conducted from March through August 2023 were reviewed to ensure that reported analytical results met data quality objectives. QC data indicate that measurement data are sufficient to meet method quality objectives, reported data are defensible, and QC mechanisms were generally effective in ensuring measurement data reliability within the expected limits of sampling and analytical error with one exception: due to a significantly low (<10%) surrogate recovery (Method SW846 8021B), the non-detect benzene result in sample TT-1 @ 6' collected in March 2023 is not usable for project objectives. The laboratory analytical results and data review checklists are provided as Appendix E.

5.0 PROPOSED REMEDIATION WORK PLAN

It is proposed that soil with benzene, total BTEX, TPH GRO+DRO, and total TPH concentrations above the Closure Criteria be excavated and removed from the site. The proposed excavation extent and target excavation depths are shown on Figure 6. It is estimated that a total of 560 cy (ex situ) of soil will be excavated for off-site disposal (including the soil remaining in the stockpile that was not used to backfill the initial pipe excavation).

The soil will be excavated using a backhoe or excavator. Field observations of the potential presence of petroleum hydrocarbons, including hydrocarbon odor and staining and PID readings, will be recorded throughout the excavation. Confirmation soil samples will be collected for analysis of BTEX by EPA Method 8260 and TPH by EPA Method 8015M. Excavation bottom samples will be collected every 200 square feet, while excavation sidewall samples will be collected every 400 square feet. Pursuant to 19.15.29.12(D) NMAC, confirmation samples will consist of five-point composite samples, and discrete grab samples will be collected from any wet or discolored areas. If confirmation sample benzene, total BTEX, TPH DRO+GRO, or total TPH concentrations exceed Closure Criteria, additional excavation would be performed until additional confirmation samples indicated concentrations are below Closure Criteria.

Due to the maximum depth of the planned excavation (19 feet), the excavation sidewalls will be stepped or sloped at a 1:1 slope to ensure stability of the excavation and the safety of site



personnel. Non-affected soil excavated for stepping or sloping purposes will be segregated from the affected excavated soil and re-used during excavation backfilling.

The excavation will be backfilled to grade with clean fill material once confirmation sample analytical results are determined to be below the Closure Criteria. Pursuant to 19.15.29.13 NMAC, the affected surface areas will 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 will be stockpiled on plastic sheeting during the excavation, characterized, and disposed at an NMOCD-approved disposal facility.

It is anticipated that excavation and backfilling will be completed within 90 days of approval of this Remediation Work Plan. A Remediation Summary and Site Closure Request will be submitted to NMOCD within 60 days of completing the excavation and backfilling activities.

6.0 DISTRIBUTION

Copy 1: Mike Bratcher

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division, District 2

811 S. First Street

Artesia, New Mexico 88210

Copy 2: Jason Leik, P.E.

HEP

2828 N. Harwood Street, Suite 1300

Dallas, Texas 75201

Copy 3: Melanie Nolan

HEP

1602 W. Main Artesia, NM 88210



TABLE

TABLE 1 SUMMARY OF DELINEATION SOIL SAMPLE ANALYTICAL RESULTS HOLLY ENERGY PARTNERS - OPERATING, LP, Hobbs Station Tank 5202 Crude Release NMOCD Tracking No.: NAPP2300439852

					NM	OCD Tracking	No.: NAPP230	0439852						
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
NMOCI	D Closure Criteri	a (GW 51-100	feet bgs)		1,0	100	NA	2,500	10	ng/kg NA	NA	NA NA	50	10,000
						Tr	ench 1	,						.,
TT-1@5	3/8/2023	5	Test Trench	In Situ	9430	5220	<499	14700	19.8	55.7	23.9	42.1	142	66.5
TT-1@6	3/8/2023	6	Test Trench	In Situ	6850	4700	<250	11600	<0.998 [R]	106	48.6	86.7	241	65.1
TT-1@7	3/8/2023	7	Test Trench	In Situ	7550	3240	<250	10800	45.9	150	71.9	124	392	63.0
TT-1@8 TT-1@9	3/8/2023	8	Test Trench Test Trench	In Situ In Situ	<50.0	<50	<50	<50	0.00206	0.00244	<0.00200	<0.00399	0.0045	41.6
TT-1@10	3/8/2023	9		In Situ	430 730	468 726	<49.9 <49.9	898 1460	6.82	23.9	12.5	21.5	64.7 19.5	46.9
TT-1@10.5	3/8/2023 3/8/2023	10.5	Test Trench Test Trench	In Situ	<50.0	101	<50.0	101	0.543 <0.199	5.25 1.27	5.2 1.04	8.53 1.9	4.21	46.1 50.3
TT-1@11	3/8/2023	11	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	51.5
TT-1@11.5	3/8/2023	11.5	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	< 0.00404	48.4
	.,,,,						ench 2							
TT-2@5	3/8/2023	5	Test Trench	In Situ	1510	1550	<50.0	3060	3.42	26.4	24.2	37	91	55.4
TT-2@7	5/11/2023	7	Test Trench	In Situ	1270	3260	<250	4530	< 0.201	5.53	10.6	18.7	34.8	285
TT-2@8	5/11/2023	8	Test Trench	In Situ	1440	3830	<250	5270	0.403	18.7	27.1	51.3	97.5	2360
TT-2@9	5/11/2023	9	Test Trench	In Situ	2520	4350	<249	6870	1.04	38.2	46.8	86.3	172	2430
TT-2@10	5/11/2023	10	Test Trench	In Situ	1120	2830	<250	7050	<0.0501	11.7	21	36.9	69.6	771
TT-2@11	5/11/2023	11	Test Trench	In Situ	2520	4380	<50.0	6900	0.142	26.2	38.4	61.9	127	307
TT-2@12	5/11/2023	12	Test Trench	In Situ	854	1780	<249	2630	<0.198	3.32	8.35	17.1	28.8	182
TT-2@13	5/11/2023	13	Test Trench	In Situ	363	1610	<49.8	1970	<0.0501	0.532*1	2.49	5.23	8.25	178
TT-2@14 TT-2@15	5/11/2023	14	Test Trench	In Situ	<50.0	530	<49.8	530	<0.0503	<0.252	0.0507	<0.101	<0.101	60.7
TT-2@16	5/11/2023	15	Test Trench	In Situ	1210	2390	<50.0 <49.9	3600	0.0762	4.07*1	12.7	23.7	40.6	226
TT-2@17	5/11/2023	16	Test Trench	In Situ	1470 <49.8	2520 377	<49.9	3990 377	0.229	9.19	<0.0495	32.3	60.7	58.4
TT-2@17	5/11/2023 5/11/2023	17 18	Test Trench Test Trench	In Situ In Situ	<49.8 251	1910	<49.8 236	2400	<0.0495 <0.198	<0.248 <0.990	1.46	<0.0990 3.29	<0.0990 4.75	45.0 109
	, -,, 2023			51.0			ing SB-2							
SB-2@15'	8/30/2023	15	Boring	In Situ	1560	2740	<50.5	4300	9.6	62	38.9	61	171.0	76.2
SB-2@20'	8/30/2023	20	Boring	In Situ	<50.1	100	<50.1	100	<0.00101	<0.00505	<0.00101	<0.00202	<0.00202	53.8
SB-2@25'	8/30/2023	25	Boring	In Situ	<49.7	77	<49.7	77	<0.000996	<0.00498	<0.000996	<0.00199	<0.00199	35.3
SB-2@30'	8/30/2023	30	Boring	In Situ	<50.4	<50.4	<50.4	<50.4	<0.00100	<0.00501	<0.00100	<0.00200	<0.00200	50.7
SB-2@35'	8/30/2023	35	Boring	In Situ	<49.9	199	<49.9	199	<0.00100	<0.00502	<0.00100	<0.00201	<0.00201	51.4
SB-2@40'	8/30/2023	40	Boring	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00100	<0.00500	<0.00100	<0.00200	<0.00200	27.7
							ench 3							
TT-3@4	3/8/2023	4	Test Trench	In Situ	4950	3720	<250	8670	24.9	124	72.7	126	348	78.2
TT-3@5	3/8/2023	5	Test Trench	In Situ	7850	4570	<250	12400	57.4	184	90.3	156	487	50.0
TT-3@6	3/8/2023	6	Test Trench	In Situ	9360	5670	<499	15000	58.2	194	95.5	155	502	48.2
TT-3@7	3/8/2023	7	Test Trench	In Situ	7920	4970	<499	12900	40.7	18.2	84.8	133	276	51.3
TT-3@8 TT-3@9	3/8/2023	8	Test Trench	In Situ	5820	3570	<249	9390	43.4	179	95	153	471	40.4
TT-3@10	3/8/2023 3/8/2023	9	Test Trench	In Situ In Situ	7820 4450	4890 3180	<250 <250	12700 7630	54.3 18.7	176 80.2	98.8 49	72.1	474 220	51.7 47.6
TT-3@10.5	3/8/2023	10.5	Test Trench Test Trench	In Situ	123	187	<49.9	310	3.66	14.2	9.44	13.8	41.1	15.4
	3/0/2023	10.5	rest french	III Situ	123		ench 4	310	3.00	14.2	3.44	15.0	41.1	15.4
TT-4@5	3/8/2023	5	Test Trench	In Situ	8200	3870	<250	12100	43.2	138	65.1	93.7	325	69.2
TT-4@6	3/8/2023	6	Test Trench	In Situ	8840	3740	<250	12600	24.2	85.6	39.9	69.7	219	51.4
TT-4@7	3/8/2023	7	Test Trench	In Situ	837	923	109	1870	10.6	38.8	16.5	32.5	98.4	33.1
TT-4@8	3/8/2023	8	Test Trench	In Situ	729	812	98	1640	1.43	7.87	4.86	19.8	34.0	35.5
TT-4@9	3/8/2023	9	Test Trench	In Situ	912	825	96.9	1830	4.07	15.7	6.36	12.7	38.8	38.9
TT-4@10	3/8/2023	10	Test Trench	In Situ	865	858	100	1820	17.1	181	22.3	36.5	257	36.3
TT-4@11	3/8/2023	11	Test Trench	In Situ	864	893	107	1860	4.69	18.7	9.44	16.9	49.7	34.8
TT-4@11.5	3/8/2023	11.5	Test Trench	In Situ	804	886	105	1800	8.94	80.4	44.5	79.6	213	41.3
TT-4@12	3/8/2023	12	Test Trench	In Situ	707	875	103	1690	3.80	44.2	26.3	45.1	119	37.8
TT-4@13 DUP-01 (TT-4-13)	5/11/2023	13	Test Trench	In Situ	2770	4280	<249	7050	4.14	46	39.9	65.1	155	93.8
TT-4@14	5/11/2033	13	Test Trench	In Situ	3000	4740	<250	7740	3.43	43.3	38.2	63.1	148	95.7
TT-4@15	5/11/2023 5/11/2023	14 15	Test Trench Test Trench	In Situ In Situ	2340 2810	4090 4130	<249 <250	6430 6940	3.61 1.63	32.7 21.5	33.8 20.4	60.3 34.4	130 77.9	81.0 41.2
TT-4@16	5/11/2023	16	Test Trench	In Situ	1970	3090	<49.9	5060	0.762	24.1	36.2	66.8	127	47.0
TT-4@17	5/11/2023	17	Test Trench	In Situ	1940	3890	479	6310	3.39	37	27.1	47.2	115	81.3
TT-4@18	5/11/2023	18	Test Trench	In Situ	1780	4400	507	6690	1.39	18.2	13.6	23.6	56.8	83.7
							ing SB-4							
SB-4@20'	8/1/2023	20	Boring	In Situ	<50.4	51.3	<50.4	51.3	<0.000990	<0.00495	0.00725	0.0185	0.0258	80.7
DUP-1 (SB-4@20')	8/1/2023	20	Boring	In Situ	<49.6	<49.6	<49.6	<49.6	<0.000996	<0.00498	<0.000996	<0.00199	<0.00199	37.8
SB-4@25'	8/1/2023	25	Boring	In Situ	<49.7	<49.7	<49.7	<49.7	0.00267	<0.00502	<0.00100	<0.00201	0.00267	49.5
SB-4@30'	8/1/2023	30	Boring	In Situ	<50.4	<50.4	<50.4	<50.4	<0.0504	<0.252	<0.0504	<0.101	<0.101	33.5
SB-4@35' SB-4@40'	8/1/2023	35	Boring	In Situ	<49.8	<49.8	<49.8	<49.8	<0.000992	<0.00496	<0.000992	<0.00198	<0.00198	49.9
3B-4@4U	8/1/2023	40	Boring	In Situ	<50.2	<50.2	<50.2	<50.2	<0.0505	<0.253	<0.0505	<0.101	<0.101	48.7
TT-5@5	5/11/2023	5	Test Transla	In Situ	<50.0	<50.0	ench 5 <50.0	<50.0	<0.00100	<0.00500	<0.00100	<0.00200	<0.00200	60.9
TT-5@6	5/11/2023	6	Test Trench Test Trench	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00100	<0.00500	<0.00100	<0.00200	<0.00200	51.8
TT-5@7	5/11/2023	7	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00100	<0.00502	<0.00100	<0.00198	<0.00198	45.8
TT-5@8	5/11/2023	8	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00100	<0.00509	<0.00100	<0.00201	<0.00201	59.4
TT-5@9	5/11/2023	9	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.000992	<0.00496	<0.000992	<0.00198	<0.00198	44.4
TT-5@10	5/11/2023	10	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.000990	<0.00495	<0.000990	<0.00198	<0.00198	46.7
TT-5@11	5/11/2023	11	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00101	<0.00504	<0.00101	<0.00202	<0.00202	48.8
TT-5@12	5/11/2023	12	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00100	<0.00502	<0.00100	<0.00201	<0.00201	43.3
TT-5@13	5/11/2023	13	Test Trench	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00100	<0.00501	<0.00100	<0.00200	< 0.00200	60.7
TT-5@14	5/11/2023	14	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.000990	<0.00495	<0.000990	<0.00198	<0.00198	64.5
TT-5@15	5/11/2023	15	Test Trench	In Situ	<49.8	<49.8	<49.8	<49.8	<0.000996	<0.00498	<0.000996	<0.00199	<0.00199	48.3
TT-5@16	5/11/2023	16	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00100	<0.00502	<0.00100	<0.00201	<0.00201	43.9
							ench 6							
TT-6@5	5/11/2023	5	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00100	<0.00501	<0.00100	<0.00200	<0.00200	40.9
TT-6@6	5/11/2023	6	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00101	<0.00505	<0.00101	<0.00202	<0.00202	70.8
TT-6@7	5/11/2023	7	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.000990	<0.00495	<0.000990	<0.00198	<0.00198	58.2
TT-6@8	5/11/2023	8	Test Trench	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00101	<0.00505	<0.00101	<0.00202	<0.00202	50.8
TT-6@9	5/11/2023	9	Test Trench	In Situ	<49.9	<49.9	<49.9	<49.9	<0.000996	<0.00498	<0.000996	<0.00199	<0.00199	51.8
	5/11/2023	10	Test Trench	In Situ	<49.8	<49.8	<49.8	<49.8	<0.000994	<0.00497	<0.000994	<0.00199	<0.00199	43.3
TT-6@10		11	Test Trench	In Situ	<50.0	<50.0 <49.8	<50.0	<50.0	<0.00100	<0.00500	<0.00100	<0.00200	<0.00200	46.5
TT-6@10 TT-6@11	5/11/2023		T . T				<49.8	<49.8	< 0.000996	<0.00498	<0.000996	<0.00199	< 0.00199	38.8
TT-6@10 TT-6@11 TT-6@12	5/11/2023	12	Test Trench	In Situ	<49.8					0.0	0.6			
TT-6@10 TT-6@11 TT-6@12 TT-6@13	5/11/2023 5/11/2023	12 13	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00100	<0.00502	<0.00100	<0.00201	<0.00201	51.8
ТТ-6@10 ПТ-6@11 ПТ-6@12 ПТ-6@13 ПТ-6@14	5/11/2023 5/11/2023 5/11/2023	12 13 14	Test Trench Test Trench	In Situ In Situ	<50.0 <50.0	<50.0 <50.0	<50.0 <50.0	<50.0 <50.0	<0.00100 <0.00100	<0.00501	<0.00100	<0.00201 <0.00200	<0.00201 <0.00200	51.8 52.9
TT-6@10 TT-6@11 TT-6@12 TT-6@13	5/11/2023 5/11/2023	12 13	Test Trench	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00100			<0.00201	<0.00201	51.8

Notes:

bgs Below ground surface

Dup Field Duplicate Sample

DRO Diesel Range Organics

GRO Gasoline Range Organics

m/kgr 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

< Parameter not detected above laboratory reporting limit

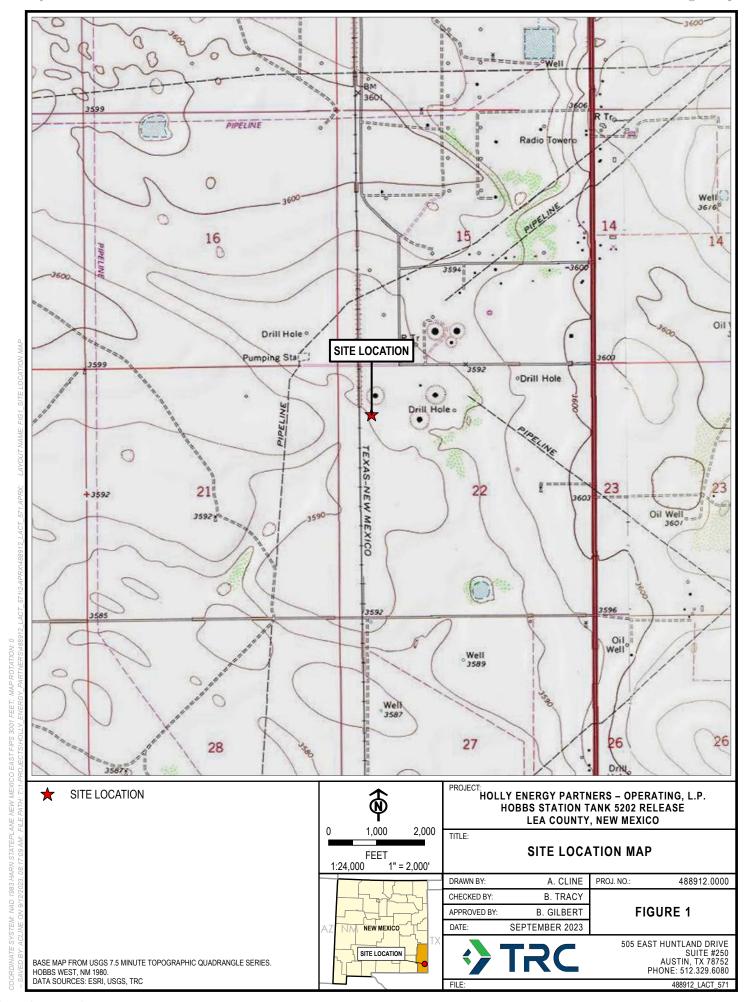
Orange Concentration is above the applicable NMOCD Closure Criteria (GW 51-100 feet bgs)

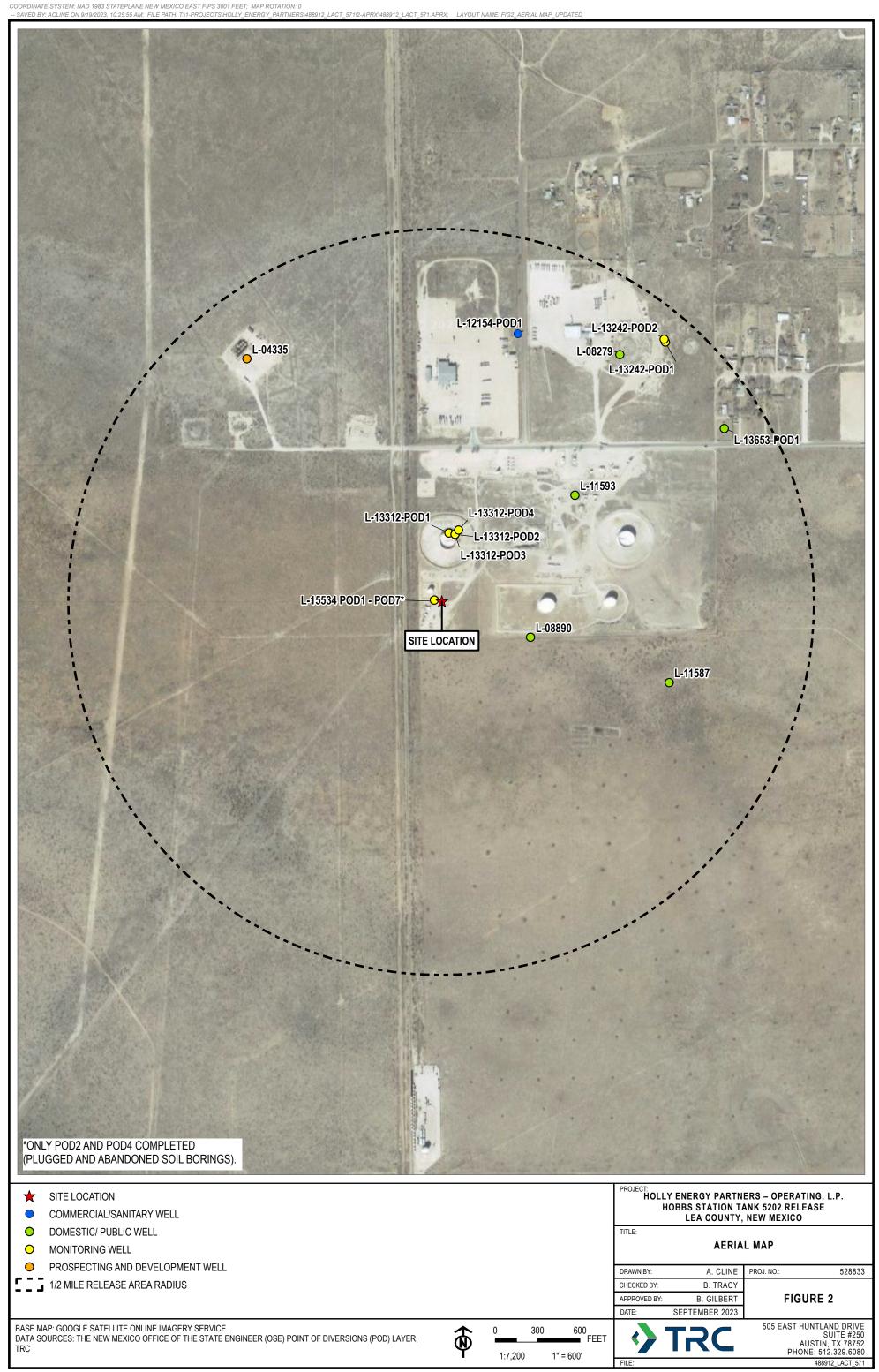
NA Not applicable

[R] Result not usable for project objectives due to significantly low recoveries in the associated surrogate(s)

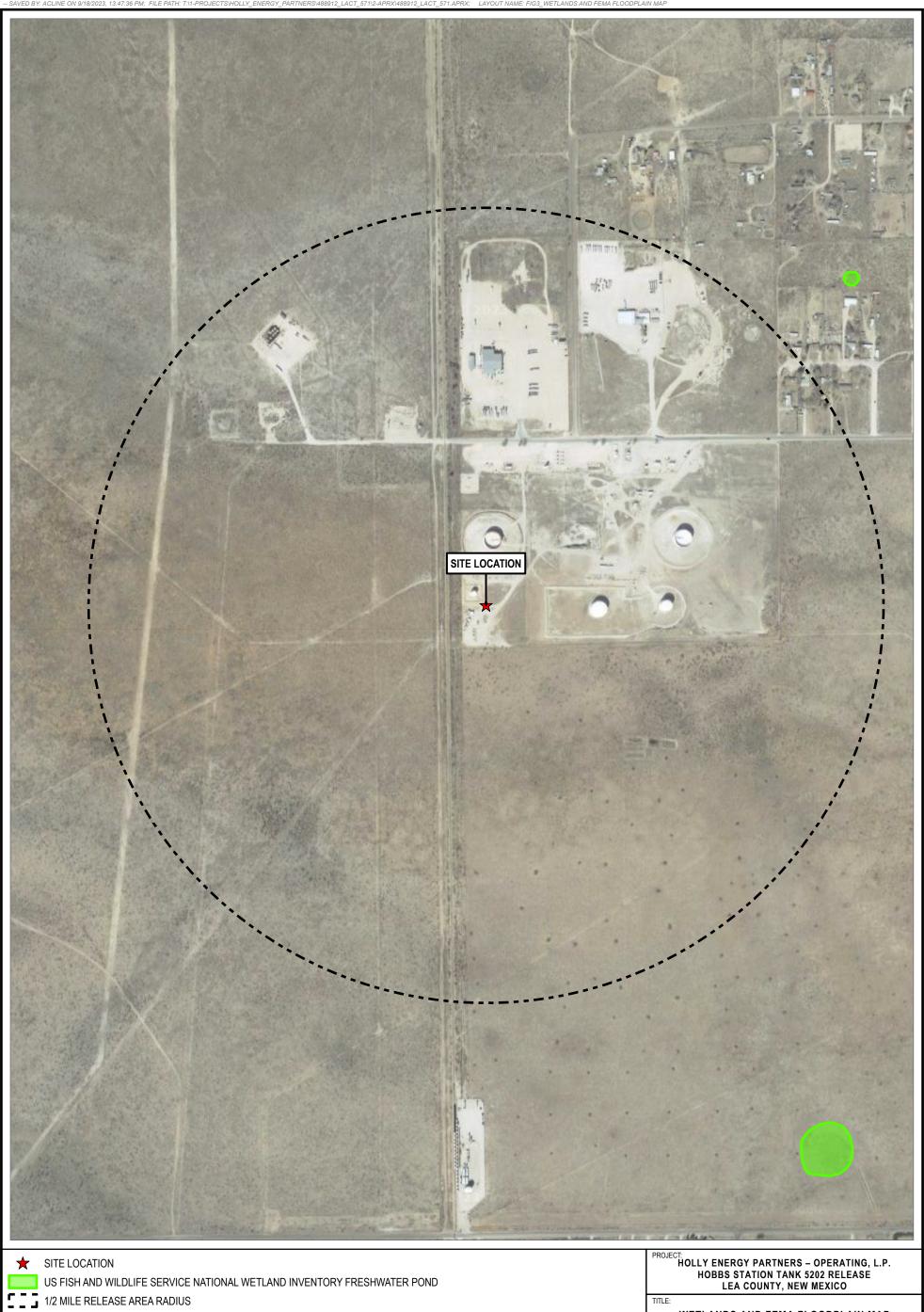


FIGURES





COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
- SAVED BY: ACLINE ON 9/18/2023, 13:47:36 PM; FILE PATH: T:\1-PROJECTS\HOLLY_ENERGY_PARTNERS\488912_LACT_571\2-APRX\488912_LACT_571\APRX\571.



NO FEMA FLOODPLAINS ARE LOCATED IN THIS AREA

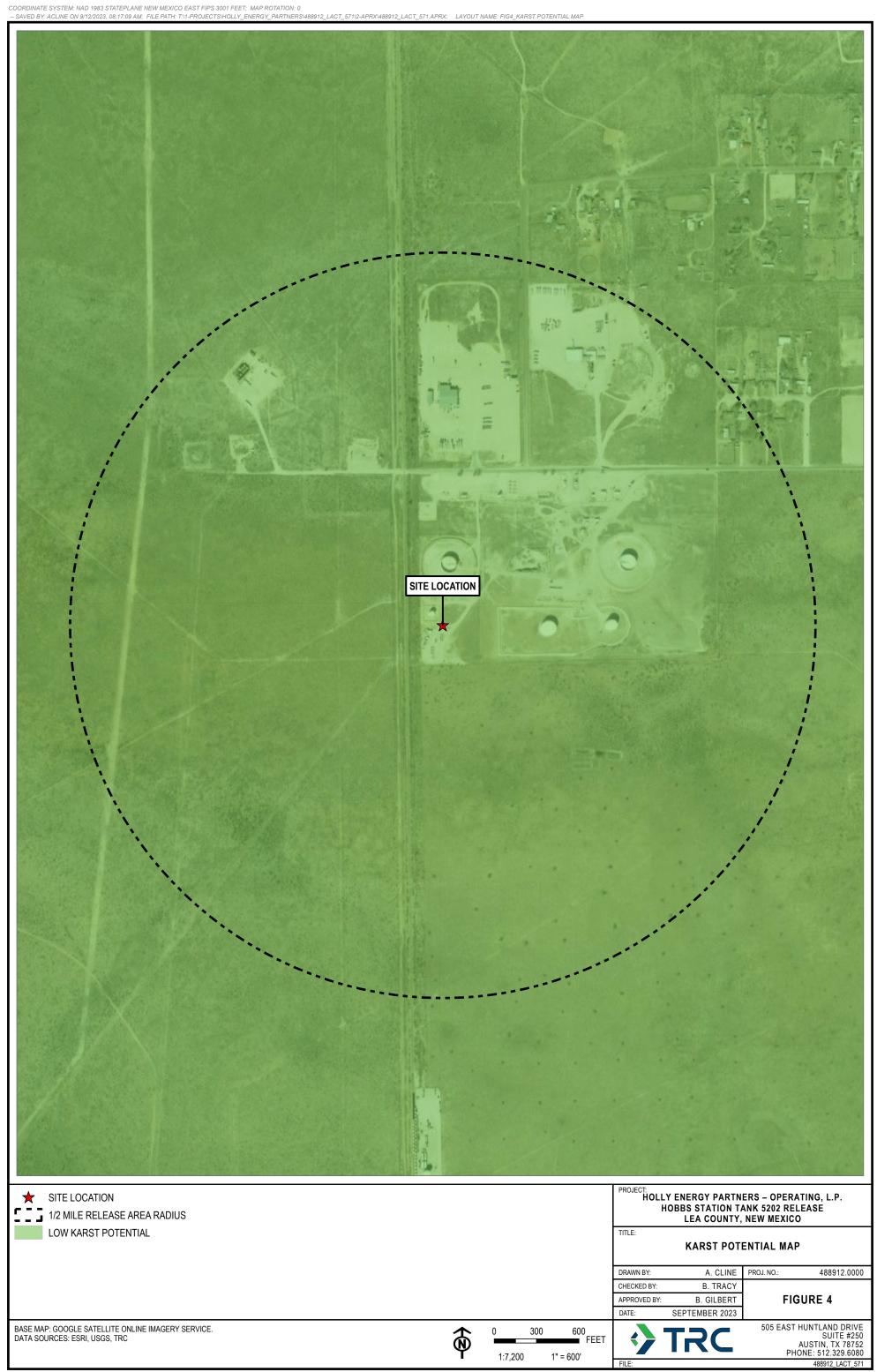
WETLANDS AND FEMA FLOODPLAIN MAP

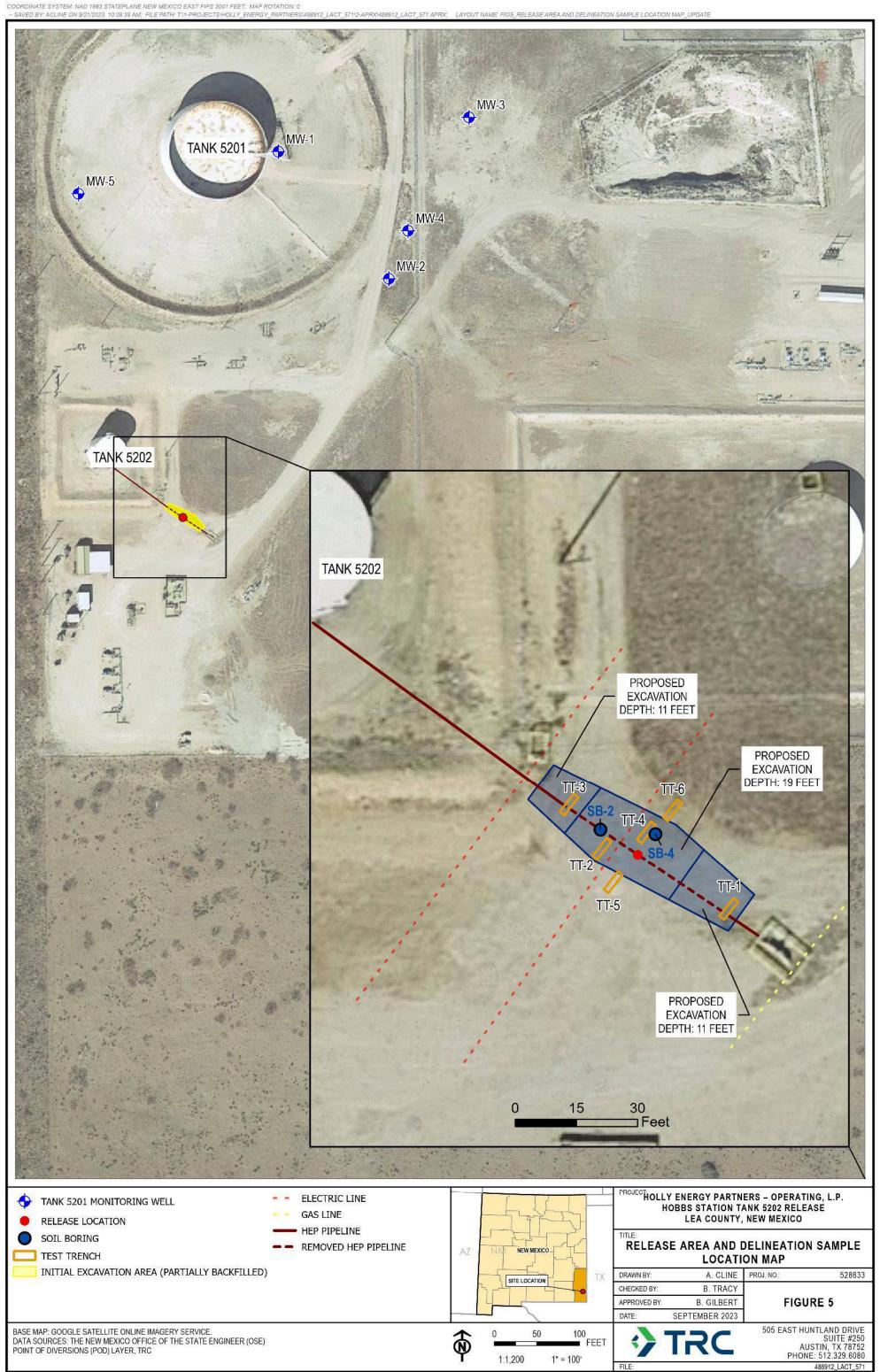
DRAWN BY:	A. CLINE	PROJ. NO.:	528833
CHECKED BY:	B. TRACY		
APPROVED BY:	B. GILBERT	FIGURE 3	
DATE:	SEPTEMBER 2023		

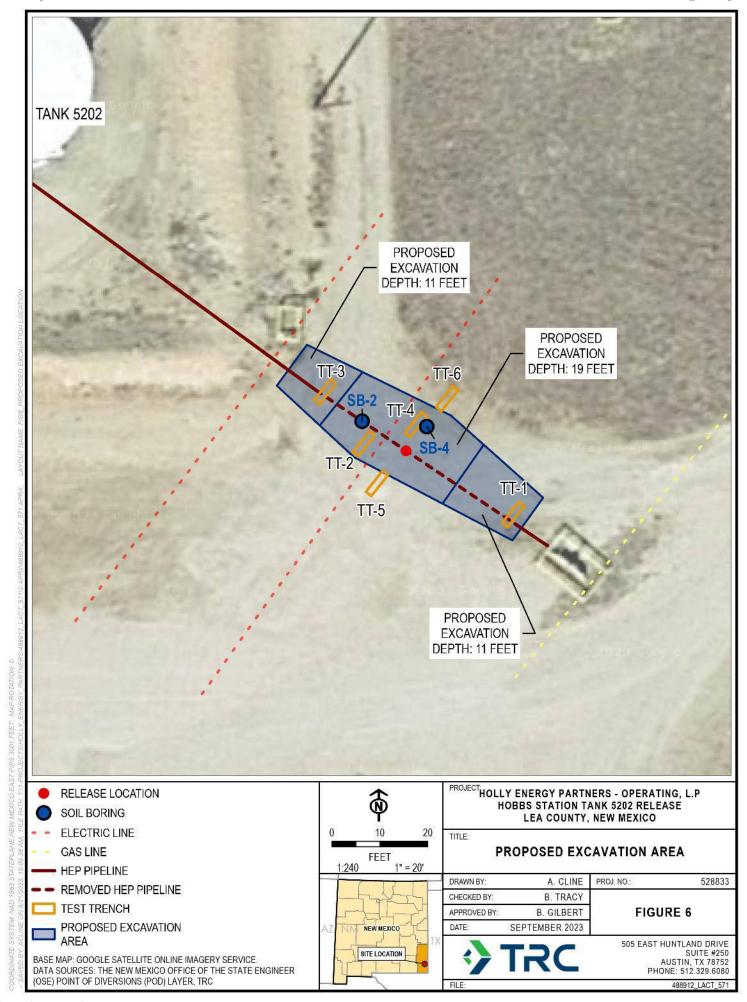
BASE MAP: GOOGLE SATELLITE ONLINE IMAGERY SERVICE. DATA SOURCES: ESRI, USFWS, FEMA, TRC

600 FEET 1" = 600'

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









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

Contact Name	lelanie Nolan			Telephone 214-605-8303
ontact email Me	lanie.Nolan@holl	yenergy.com	Incident	# (assigned by OCD) nAPP2300439652
ontact mailing ac	1 1	ain, Artesia, NM		
		Location	of Release S	Source
		Location	oi itticase i	
36.650	5	(NAD 83 in dec	Longitude	
		(1112) 05 111 1100	-	
	s Station		Site Type	Crude Station
Date Release Disco	overed 12/30/2022	2	API# (if a	pplicable)
		1 -	Cor	unty
Unit Letter Sec	tion Township	Range	CO	unty
C 22		38E	Lea)
C 22	19S State Federal Material(s) Released (Selec	38E Tribal XPrivate (A Nature and tall that apply and attach	Lea Name: Volume of calculations or specific	Release fic justification for the volumes provided below
C 22 urface Owner:	19S State Federal Material s) Released (Selectival) Volume Released	38E Tribal Private (A Nature and tall that apply and attach used (bbls) 16 the second statement of	Lea Name: Volume of calculations or specific	Release fic justification for the volumes provided below Volume Recovered (bbls) 0
C 22	19S State Federal Material State Volume Releaser Is the concent	38E Tribal XPrivate (A Nature and tall that apply and attach ised (bbls) 16 bused (bbls) ration of dissolved contains a second contains	Lea Name: Volume of calculations or specifobls	Release fic justification for the volumes provided below
C 22 urface Owner:	19S State Federal Material State Volume Releaser Is the concent	38E Tribal XPrivate (A Nature and tall that apply and attach used (bbls) 16 bused (bbls) ration of dissolved comer > 10,000 mg/l?	Lea Name: Volume of calculations or specifobls	TRelease fic justification for the volumes provided below Volume Recovered (bbls) Volume Recovered (bbls)
C 22 urface Owner:	19S State Federal Material State Volume Releaser Volume Releaser Volume Releaser Is the concent produced water	38E Tribal Private (A Nature and tall that apply and attach used (bbls) 16 to the sed (bbls) ration of dissolved composition of dissolved comp	Lea Name: Volume of calculations or specifobls	TRelease fic justification for the volumes provided below Volume Recovered (bbls) Volume Recovered (bbls) Yes No
C 22 urface Owner: Crude Oil Produced Wate	19S State Federal Materials Released Select Volume Releaser	38E Tribal Private (A Nature and tall that apply and attach used (bbls) 16 to the sed (bbls) ration of dissolved composition of dissolved comp	Lea Name: Volume of calculations or specifically blis hloride in the	TRelease fic justification for the volumes provided below Volume Recovered (bbls) Volume Recovered (bbls) Yes No Volume Recovered (bbls)
C 22 urface Owner: Crude Oil Produced Wate Condensate Natural Gas	19S State Federal Materials Released Select Volume Releaser	38E Tribal Private (A Nature and attach ased (bbls) 16 bused (bbls) ration of dissolved composite (bbls) ration of dissolved composite (bbls) ration (bbls) ration (bbls) ration (bbls) ration (bbls)	Lea Name: Volume of calculations or specifically blis hloride in the	TRelease fic justification for the volumes provided below Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (bbls) Volume Recovered (Mcf)

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?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes XNo	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the rele	ase has been stopped.
The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environs failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Melani	e Nolan Title: Environmental Specialist
Signature:	Date: 1/4/2023
email: Melanie.Nola	n@hollyenergy.com Telephone: 214-605-8303
OCD Onl y	
Received by:	Date:

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	

Site Assessment/Characterization

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

The state of the s	
What is the shallowest depth to groundwater beneath the area affected by the release?	_51 (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.

contan	nination associated with the release have been determined. Refer to 19.13.29.11 NiviAC to 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	

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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.

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: Environme	ental Specialist	
Signature: Mulano Noew	Date: 9-22-2023	
email: Melanie.Nolan@hollyenergy.com Te	lephone: 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	

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.
The state of the s
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: Date: 9-22-2023
email: Melanie.Nolan@hollyenergy.com Telephone: 214-605-8303
OCD Only
Received by: Date:
Approved
Si mature: Nelson Velez Date: 12/14/2023
Date.



Appendix B: Copies of NMOCD Communications

Gilbert, Bryan

From: OCDOnline@state.nm.us

Sent: Wednesday, January 4, 2023 12:05 PM

To: Melanie Nolan

Subject: [EXTERNAL Email]: The Oil Conservation Division (OCD) has accepted the application,

Application ID: 172238

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

To whom it may concern (c/o Melanie Nolan for HOLLY ENERGY PARTNERS - OPERATING, LP),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2300439852, with the following conditions:

• When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Please reference nAPP2300439852, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

Gilbert, Bryan

From: Sebring, Russell

Sent: Tuesday, March 28, 2023 3:26 PM

To: Bratcher, Mike, EMNRD

Cc: Melanie Nolan; Leik, Jason; Gilbert, Bryan

Subject: HEP - Hobbs Station - nAPP2300439852 - Extension Request

Attachments: Hobbs Station Notification NMOCD 1-4-2023.pdf

Mr. Mike Bratcher,

On December 30, 2022, an estimated release of 16 barrels of crude oil occurred from an underground pipeline at the Holly Energy Partners – Operating, L.P. (HEP) Hobbs Station in Lea County, New Mexico. The NMOCD was notified of the release on December 30, 2022, and the initial C-141 was submitted on January 4, 2022. The initial C-141 was assigned Tracking No. NAPP2300439852. A copy of the initial C-141 is attached. Based on the date of the release, a Closure Report is due to NMOCD by March 30, 2023.

Initial excavation of crude oil-affected soils and removal of the pipeline has been completed. Characterization activities were conducted at the site on March 8, 2023; however, due to soil conditions (mechanical refusal), vertical delineation was not completed as preliminary soil sample analytical results indicate that further response action is necessary. HEP respectfully requests a 90-day extension (until June 28, 2023) for submittal of the Closure Report to the NMOCD.

Please let me know if you have any questions or need additional information. Please confirm your approval of the 90-day extension by return email

Russell Sebring
Sr. Project Manager



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

LinkedIn | Twitter | Blog | www.trcsolutions.com

Gilbert, Bryan

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Sent: Wednesday, March 29, 2023 9:20 AM

To: Sebring, Russell

Cc: Melanie Nolan; Leik, Jason; Gilbert, Bryan; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Good morning all,

The attachment is a copy of the Notice of Release (NOR). It appears that the Initial C-141 has not been submitted for this incident. Please take care of that ASAP and advise once completed. The extension request will be evaluated after the C-141 submittal is complete.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Sebring, Russell <RSebring@trccompanies.com>

Sent: Tuesday, March 28, 2023 2:26 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Melanie Nolan <melanie.nolan@hollyenergy.com>; Leik, Jason <Jason.Leik@HollyEnergy.com>; Gilbert, Bryan

<BGilbert@trccompanies.com>

Subject: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Mr. Mike Bratcher.

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Russell Sebring
Sr. Project Manager



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

<u>LinkedIn</u> | <u>Twitter</u> | <u>Blog</u> | <u>www.trcsolutions.com</u>

Gilbert, Bryan

From: Nolan, Melanie < Melanie.Nolan@hollyenergy.com>

Sent: Wednesday, March 29, 2023 11:07 AM **To:** Bratcher, Michael, EMNRD; Sebring, Russell

Cc: Leik, Jason; Gilbert, Bryan; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

Attachments: SIGNED INITIAL C-141 HOBBS STATION.pdf

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Good Morning Mike,

I have uploaded the Initial C-141 to the Portal. I apologize for any issues this may have caused. I have included a copy of the C-141 just as a courtesy, it has been uploaded to the portal.

Thank you,

Melanie Nolan

Environmental Specialist/EHS Department

Holly Energy Partners

O 575-748-8972 **M** 214-605-8303

Melanie.Nolan@hollyenergy.com

www.hollyenergy.com

1602 W. Main, Artesia, New Mexico, 88210



From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Sent: Wednesday, March 29, 2023 8:20 AM

To: Sebring, Russell <RSebring@trccompanies.com>

Cc: Nolan, Melanie <Melanie.Nolan@hollyenergy.com>; Leik, Jason <Jason.Leik@HollyEnergy.com>; Gilbert, Bryan

<BGilbert@trccompanies.com>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>

Subject: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

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

Good morning all,

The attachment is a copy of the Notice of Release (NOR). It appears that the Initial C-141 has not been submitted for this incident. Please take care of that ASAP and advise once completed. The extension request will be evaluated after the C-141 submittal is complete.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Sebring, Russell < <u>RSebring@trccompanies.com</u>>

Sent: Tuesday, March 28, 2023 2:26 PM

To: Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov >

Cc: Melanie Nolan <<u>melanie.nolan@hollyenergy.com</u>>; Leik, Jason <<u>Jason.Leik@HollyEnergy.com</u>>; Gilbert, Bryan

<BGilbert@trccompanies.com>

Subject: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

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Mr. Mike Bratcher.

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Please let me know if you have any questions or need additional information. Please confirm your approval of the 90-day extension by return email

Russell Sebring
Sr. Project Manager



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

LinkedIn | Twitter | Blog | www.trcsolutions.com

Gilbert, Bryan

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Sent: Wednesday, March 29, 2023 12:54 PM

To: Sebring, Russell

Cc: Melanie Nolan; Leik, Jason; Gilbert, Bryan; Nobui, Jennifer, EMNRD

Subject: RE: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

All,

The Initial C-141 has been submitted. Thank you Melanie. This request for an extension to June 28, 2023 is approved. Please include this and all correspondence in the remedial and/or closure report.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Sebring, Russell <RSebring@trccompanies.com>

Sent: Tuesday, March 28, 2023 2:26 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Melanie Nolan <melanie.nolan@hollyenergy.com>; Leik, Jason <Jason.Leik@HollyEnergy.com>; Gilbert, Bryan

<BGilbert@trccompanies.com>

Subject: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

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Please let me know if you have any questions or need additional information. Please confirm your approval of the 90-day extension by return email

Russell Sebring
Sr. Project Manager



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

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Gilbert, Bryan

From: Sebring, Russell

Sent: Tuesday, June 27, 2023 10:08 PM

To: Bratcher, Mike, EMNRD

Cc: Melanie Nolan; Leik, Jason; Gilbert, Bryan

Subject: HEP - Hobbs Station - nAPP2300439852 - Extension Request

Attachments: Hobbs Station Notification NMOCD 1-4-2023.pdf

Mr. Mike Bratcher,

On December 30, 2022, an estimated release of 16 barrels of crude oil occurred from an underground pipeline at the Holly Energy Partners – Operating, L.P. (HEP) Hobbs Station in Lea County, New Mexico. The NMOCD was notified of the release on December 30, 2022, and the initial C-141 was submitted on January 4, 2022. The initial C-141 was assigned Tracking No. NAPP2300439852. In accordance with TRC's March 28, 2023, 90-day extension request, a Closure Report is due to NMOCD by June 28, 2023.

Initial excavation of crude oil-affected soils and removal of the pipeline has been completed. Characterization activities were conducted at the site on March 8, 2023; however, due to hard soil conditions (mechanical refusal), vertical delineation of crude oil-affected soil was not completed as preliminary soil sample analytical results indicated that further response action is necessary. On May 11, 2023, a track-mounted excavator was used to conduct additional characterization activities and to establish vertical delineation. Due to equipment limitations (i.e., the maximum depth achieved of 18 feet bgs), vertical delineation of crude oil-affected soil was not achieved. Additional characterization, including vertical delineation of crude oil-affected soil, and response actions are necessary.

HEP respectfully requests a 90-day extension (i.e., until September 26, 2023) for submittal of the Closure Report (or Site Characterization Report and Work Plan) to the NMOCD. Please let me know if you have any questions or need additional information.

Please confirm your approval of the 90-day extension by return email.

Russell Sebring
Sr. Project Manager



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

<u>LinkedIn</u> | <u>Twitter</u> | <u>Blog</u> | <u>www.trcsolutions.com</u>

Gilbert, Bryan

From: Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Sent: Thursday, June 29, 2023 8:27 AM

To: Sebring, Russell

Cc: Melanie Nolan; Leik, Jason; Gilbert, Bryan; Velez, Nelson, EMNRD

Subject: RE: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Russell,

Your request for an extension to September 26, 2023 is approved. Please include this and all correspondence in your reports.

Thank you,

Mike Bratcher ● Incident Supervisor Environmental Bureau EMNRD - Oil Conservation Division 506 W. Texas Ave | Artesia, NM 88210 (575) 626-0857 | mike.bratcher@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Sebring, Russell <RSebring@trccompanies.com>

Sent: Tuesday, June 27, 2023 9:08 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Melanie Nolan <melanie.nolan@hollyenergy.com>; Leik, Jason <Jason.Leik@hollyfrontier.com>; Gilbert, Bryan

<BGilbert@trccompanies.com>

Subject: [EXTERNAL] HEP - Hobbs Station - nAPP2300439852 - Extension Request

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Please confirm your approval of the 90-day extension by return email.

Russell Sebring
Sr. Project Manager



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

<u>LinkedIn</u> | <u>Twitter</u> | <u>Blog</u> | <u>www.trcsolutions.com</u>



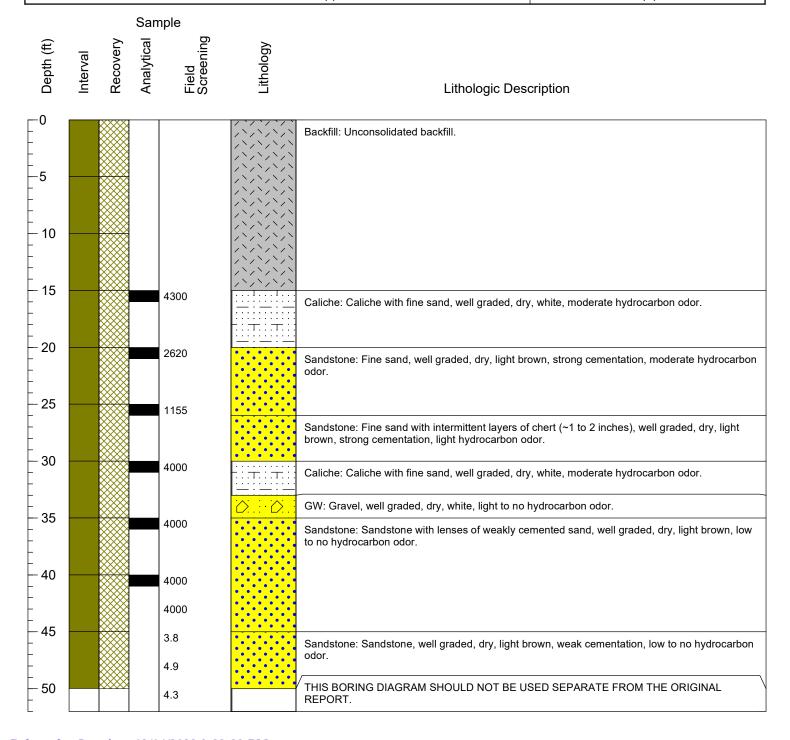
Appendix C: Boring Logs

Meter: MiniRAE 2000

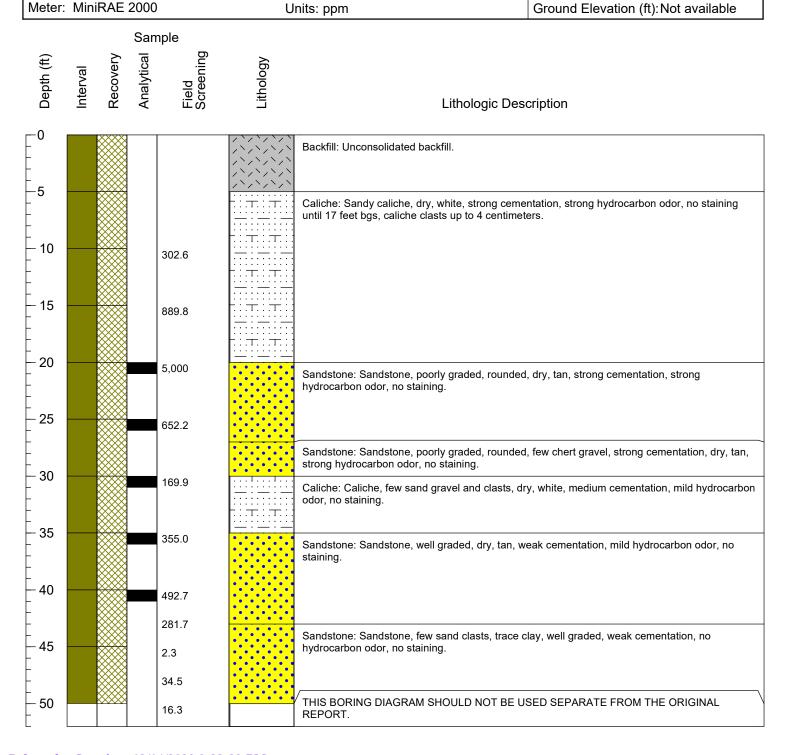
Ground Elevation (ft): Not available

TRC BORIN	IG LOG SB-2	
Client: Holly Energy Partners - Operating, L.P.		TRC Project #: 528833
Site: Hobbs Station Tank 5202		Start Date: 8/30/2023
Address: 32° 39' 0.14" N 103° 8' 33.56" W		Finish Date: 8/30/2023
Project: Hobbs Station Tank 5202 Soil Investigation		Permit #: Not applicable
Drilling Company: Talon LPE Drilling Crew: TJ Haley		TRC Site Rep.:R. Sebring
Drilling Method: Sonic drilling		TRC Reviewer: B. Gilbert
Boring Diameter (in): 8 Boring Depth (ft bgs):50		Coord. Sys.: WGS 84
Sampling Method: Hydrated Bentonite Chips		Latitude: 32° 39' 0.19" N
Blow Count Method:Not applicable	Grout: Hydrated Bentonite Chip	Longitude: 103° 8' 33.56" W
Field Screening Parameter: Volatile organic compounds		Elevation Datum: Not available

Units: ppm



SB-4
TRC Project #: 528833
Start Date: 8/1/2023
Finish Date: 8/1/2023
Permit #: Not applicable
TJ Haley TRC Site Rep.:J. Stoffel
TRC Reviewer: B. Gilbert
(ft bgs):50 Coord. Sys.: WGS 84
Latitude: 32° 39' 0.62" N
ed Bentonite Chips Longitude: 103° 8' 33.16" W
Elevation Datum: Not available





Appendix D: Photographic Documentation

Date:

1/18/2023

Direction:

Southeast

Description:

View of Release Area after Initial Response



Photograph No. 2

Date:

8/15/2023

Direction:

West

Description:

View of Release Area after Removal of Dead Leg Pipe



Photograph No. 3	
Photograph No. 3	S SW W 240 270
L .	© 220°SW (T)
Date:	© 220°SW (1)
3/8/2023	
Direction:	
Southwest	
Description:	
View of Trenching Activities	
	Your Watermark - See Settings 3 08 Mar 2023, 13:47:50
Photograph No. 4	S W W
	180 210 20 300
Date:	© 241°SW (T) ® 32.650051°, -103.142647° ±36ft ▲ 3593ft
3/8/2023	
Direction:	
Southwest	
Description:	
View of Trenching Activities	
	Yoursysteman, Servisettings, CSMan-2023 1d 98/26

Date:

1/18/2023

Direction:

South

Description:

View of Excavation



Photograph No. 6

Date:

3/8/2023

Direction:

Northwest

Description:

View of Pipeline in Release Area



Date:

3/8/2023

Direction:

Southeast

Description:

View of Trenching Activities



Photograph No. 8

Date:

8/2/2023

Direction: Northwest

Description:

View of Soil Stockpile



Date:

8/1/2023

Direction:

West

Description:

View of Sonic Drill Rig



Photograph No. 10

Date:

8/1/2023

Direction:

Northwest

Description:

View of Boring Activities



Date:

8/1/2023

Direction:

North

Description:

View of Boring Sampling

Collection



Photograph No. 12

Date:

3/8/2023

Direction:

Northeast

View of Soil Samples



Date:

8/16/2023

Direction:

North

Description:

View of Release Area prior to Backfill



Photograph No. 14

Date:

8/16/2023

Direction:

North

Description:

View of Subsurface Electrical near Release Area



Date:

8/16/2023

Direction:

North

Description:

View of backfill activities



Photograph No. 16

Date:

8/16/2023

Direction:

North

Description:

View of Backfilled Excavation



Date:

8/2/2023

Direction:

Southwest

Description:

View of Boring Activities



Photograph No. 18

Date:

8/2/2023

Direction:

Down

Description:

View of Boring



Date:

8/2/2023

Direction:

Northwest

Description:

View of Boring Measurement



Photograph No. 20

Date:

8/2/2023

Direction: South

Description:

View of Bore Plugging





Appendix E: Laboratory Analytical Reports

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Russell Sebring TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 9/13/2023 1:41:28 PM Revision 1

JOB DESCRIPTION

HEP-Hobbs Station-TK5202 SDG NUMBER Hobbs Station

JOB NUMBER

880-25699-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

Generated 9/13/2023 1:41:28 PM Revision 1

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

2

3

4

6

1

10

13

14

Client: TRC Solutions, Inc. Laboratory Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

Qualifiers

GC VOA Qualifier

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.	*_	LCS and/or LCSD is outside acceptance limits, low biased.
S1- Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased.	F1	MS and/or MSD recovery exceeds control limits.
S1+ Surrogate recovery exceeds control limits, high biased.	F2	MS/MSD RPD exceeds control limits
,,,	S1-	Surrogate recovery exceeds control limits, low biased.
U Indicates the analyte was analyzed for but not detected.	S1+	Surrogate recovery exceeds control limits, high biased.
	U	Indicates the analyte was analyzed for but not detected.

Qualifier Description

GC Semi VOA

Qualifier	Qualifier Description
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.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossarv

Ciossary	
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

NEG	Negative / Absent
POS	Positive / Present
POI	Practical Quantitation

PQL	Practica	al Quantitation	Limit

PRES	Presumptive
QC	Quality Control

RPD	Relative Percent Difference, a measure of the relative difference between two poi	ints
-----	---	------

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 SDG: Hobbs Station Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25699-1

REVISION

The report being provided is a revision of the original report sent on 3/21/2023. The report (revision 1) is being revised due to Per client email, requesitng surragotes DL run need to be reported for sample TT-4 @ 10'.

Receipt

The samples were received on 3/9/2023 8:18 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48205 and analytical batch 880-48323 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48308 and 880-48750 and analytical batch 880-48814 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The CCV was biased low. However due to an acceptable internal standard and an additional acceptable CCV within 12 hours of the last one, it was determined this was a mis-prep. The data was gualified and reported.(CCV 880-48814/95)

Method 8021B: Surrogate recovery for the following samples were outside control limits: TT-1 @ 5' (880-25699-2) and TT-1 @ 6' (880-25699-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48885 and analytical batch 880-48800 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: LCSD biased low for benzene. However, method requires only an LCS to be acceptable; therefore, the data was qualified and reported.(LCSD 880-48885/2-A)

Method 8021B: CCV was biased low for benzene and toluene. However, since another was analyzed and acceptable within the 12 hour window, the data was qualified and reported.(CCV 880-48800/113)

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-48800 recovered above the upper control limit for o-Xylene and Xylenes, Total. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-48800/126).

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-48885/1-A), (MB 880-48740/5-A), (880-25766-A-1-H) and (880-25766-A-1-F MS). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-48308/1-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1 SDG: Hobbs Station

Job ID: 880-25699-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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: The surrogate recovery for the blank associated with preparation batch 880-48193 and analytical batch 880-48171 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: TT-1 @ 5' (880-25699-2) and TT-1 @ 6' (880-25699-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: TT-1 @ 7' (880-25699-4), TT-3 @ 5' (880-25699-14), TT-3 @ 6' (880-25699-15) and TT-3 @ 7' (880-25699-16). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: TT-3 @ 9' (880-25699-18), TT-4 @ 5' (880-25699-22) and TT-4 @ 6' (880-25699-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-48200 and analytical batch 880-48173 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: TT-4 @ 7' (880-25699-24), TT-4 @ 8' (880-25699-25), TT-4 @ 9' (880-25699-26), TT-4 @ 10' (880-25699-27), TT-4 @ 11' (880-25699-28), TT-4 @ 11.5' (880-25699-29) and TT-4 @ 12' (880-25699-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-48173/58). Evidence of matrix interferences is not obvious.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48181 and analytical batch 880-48224 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: TT-4 @ 7' (880-25699-24), (890-4247-A-1-A), (890-4247-A-1-B MS) and (890-4247-A-1-C MSD).

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-48181 and analytical batch 880-48224 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-48183 and analytical batch 880-48264 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-1 @ 5'

Date Collected: 03/08/23 09:05 Date Received: 03/09/23 08:18

Sample Depth: 5'

Lab Samp	ole I	ID:	880	-250	699)-2
----------	-------	-----	-----	------	------------	------------

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	19.8		1.01	mg/Kg		03/09/23 11:30	03/18/23 18:56	500
Toluene	55.7		1.01	mg/Kg		03/09/23 11:30	03/18/23 18:56	500
Ethylbenzene	23.9		1.01	mg/Kg		03/09/23 11:30	03/18/23 18:56	500
m-Xylene & p-Xylene	29.9		2.02	mg/Kg		03/09/23 11:30	03/18/23 18:56	500
o-Xylene	12.2		1.01	mg/Kg		03/09/23 11:30	03/18/23 18:56	500
Xylenes, Total	42.1		2.02	mg/Kg		03/09/23 11:30	03/18/23 18:56	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	33	S1-	70 - 130			03/09/23 11:30	03/18/23 18:56	500
1,4-Difluorobenzene (Surr)	29	S1-	70 - 130			03/09/23 11:30	03/18/23 18:56	500
- Method: TAL SOP Total BTEX	(- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	142		2.02	mg/Kg			03/19/23 16:17	1
Analyte Total TPH	Result 14700	Qualifier	RL 499	Unit mg/Kg	_ <u>D</u>	Prepared	Analyzed 03/10/23 18:01	Dil Fac
Total TPH - -	14700		499	mg/Kg			03/10/23 18:01	1
Method: SW846 8015B NM - I	Diesel Range	Organics	(DRO) (GC)					
Analyte								
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	9430	Qualifier	RL 499	mg/Kg	D	Prepared 03/09/23 10:13	Analyzed 03/10/23 01:21	Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		Qualifier			<u>D</u>		03/10/23 01:21	
Gasoline Range Organics (GRO)-C6-C10	9430		499	mg/Kg	<u>D</u>	03/09/23 10:13	03/10/23 01:21 03/10/23 01:21	10
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	9430 5220	U	499 499	mg/Kg	<u>D</u>	03/09/23 10:13	03/10/23 01:21 03/10/23 01:21	10
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	9430 5220 <499 %Recovery	U	499 499 499	mg/Kg	<u> </u>	03/09/23 10:13 03/09/23 10:13 03/09/23 10:13	03/10/23 01:21 03/10/23 01:21 03/10/23 01:21	10 10
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	9430 5220 <499 %Recovery 207	U Qualifier	499 499 499 <i>Limits</i>	mg/Kg	<u>D</u>	03/09/23 10:13 03/09/23 10:13 03/09/23 10:13 Prepared 03/09/23 10:13	03/10/23 01:21 03/10/23 01:21 03/10/23 01:21 Analyzed	10 10 10 Dil Fac
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	9430 5220 <499 %Recovery 207 162	U Qualifier S1+ S1+	499 499 499 Limits 70 - 130 70 - 130	mg/Kg	<u>D</u>	03/09/23 10:13 03/09/23 10:13 03/09/23 10:13 Prepared 03/09/23 10:13	03/10/23 01:21 03/10/23 01:21 03/10/23 01:21 Analyzed 03/10/23 01:21	10 10 10 Dil Fac

Client Sample ID: TT-1 @ 6' Date Collected: 03/08/23 09:10

Date Received: 03/09/23 08:18

Sample Depth: 6'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.998	U	0.998	mg/Kg		03/10/23 11:06	03/18/23 19:16	500
Toluene	106		0.998	mg/Kg		03/10/23 11:06	03/18/23 19:16	500
Ethylbenzene	48.6		0.998	mg/Kg		03/10/23 11:06	03/18/23 19:16	500
m-Xylene & p-Xylene	61.5		2.00	mg/Kg		03/10/23 11:06	03/18/23 19:16	500
o-Xylene	25.2		0.998	mg/Kg		03/10/23 11:06	03/18/23 19:16	500
Xylenes, Total	86.7		2.00	mg/Kg		03/10/23 11:06	03/18/23 19:16	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130			03/10/23 11:06	03/18/23 19:16	500

5.01

mg/Kg

66.5 F1

Eurofins Midland

03/10/23 09:56

Matrix: Solid

Lab Sample ID: 880-25699-3

Client Sample ID: TT-1 @ 6'

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Lab Sample ID: 880-25699-4

Matrix: Solid

Lab Sample ID: 880-25699-3

Matrix: Solid

Date Collected: 03/08/23 09:10 Date Received: 03/09/23 08:18

Sample Depth: 6'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	5 S1-	70 - 130	03/10/23 11:06	03/18/23 19:16	500

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	241		2.00	mg/Kg			03/19/23 16:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	11600	250	mg/Kg			03/10/23 18:01	1

Method: SW846 8	8015B NM	- Diesel Range	Organics	(DRO)	(GC)	

Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6850	250	mg/Kg		03/09/23 10:13	03/10/23 01:43	5
4700	250	mg/Kg		03/09/23 10:13	03/10/23 01:43	5
<250 U	250	mg/Kg		03/09/23 10:13	03/10/23 01:43	5
	6850 4700	6850 250 4700 250	6850 250 mg/Kg 4700 250 mg/Kg	6850 250 mg/Kg 4700 250 mg/Kg	6850 250 mg/Kg 03/09/23 10:13 4700 250 mg/Kg 03/09/23 10:13	6850 250 mg/Kg 03/09/23 10:13 03/10/23 01:43 4700 250 mg/Kg 03/09/23 10:13 03/10/23 01:43 03/09/23 10:13 03/10/23 01:43

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130	03/09/23 10:13	03/10/23 01:43	5
o-Terphenyl	121		70 - 130	03/09/23 10:13	03/10/23 01:43	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.1		5.00	mg/Kg			03/10/23 10:15	1

Client Sample ID: TT-1 @ 7'

Date Collected: 03/08/23 09:15

Date Received: 03/09/23 08:18

Sample Depth: 7'

Mothod: CW046 9024D	Volatila	Organic	Compound	CICCI

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	45.9		0.990	mg/Kg		03/10/23 11:06	03/18/23 19:36	500
Toluene	150		0.990	mg/Kg		03/10/23 11:06	03/18/23 19:36	500
Ethylbenzene	71.9		0.990	mg/Kg		03/10/23 11:06	03/18/23 19:36	500
m-Xylene & p-Xylene	88.4		1.98	mg/Kg		03/10/23 11:06	03/18/23 19:36	500
o-Xylene	35.5		0.990	mg/Kg		03/10/23 11:06	03/18/23 19:36	500
Xylenes, Total	124		1.98	mg/Kg		03/10/23 11:06	03/18/23 19:36	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			03/10/23 11:06	03/18/23 19:36	500
1,4-Difluorobenzene (Surr)	90		70 - 130			03/10/23 11:06	03/18/23 19:36	500

Method: TAL SOP	Total RTEY - Total	I RTEY Calculation
I WELLIOU. TAL OUP	TULAL DIEA - TULA	I DIEA GAIGUIALION

Analyte	Result Qual		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	392	1.98	mg/Kg			03/19/23 16:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10800	250	mg/Kg			03/10/23 18:01	1

Eurofins Midland

Client: TRC Solutions, Inc.

Gasoline Range Organics

Diesel Range Organics (Over

Project/Site: HEP-Hobbs Station-TK5202

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Result Qualifier

7550

3240

Job ID: 880-25699-1

Unit

mg/Kg

mg/Kg

SDG: Hobbs Station ---

TT 4 0 31

Da Date Received: 03/09/23 08:18

Sample Depth: 7'

(GRO)-C6-C10

Analyte

C10-C28)

Silent Sample ID: 11-1 @ 7	Lab Sample ID: 880-25699-4
Oate Collected: 03/08/23 09:15	Matrix: Solid

RL

250

250

Prepared Analyzed Dil Fac 03/09/23 10:13 03/10/23 02:26 03/09/23 10:13 03/10/23 02:26 5

Oll Range Organics (Over C28-C36) <250 U 250 mg/Kg 03/09/23 10:13 03/10/23 02:26 5 %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1-Chlorooctane S1+ 70 - 130 03/09/23 10:13 03/10/23 02:26 131 o-Terphenyl 118 70 - 130 03/09/23 10:13 03/10/23 02:26 5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac 03/10/23 10:21 Chloride 4.99 63.0 mg/Kg

Client Sample ID: TT-1 @ 8' Lab Sample ID: 880-25699-5 Date Collected: 03/08/23 09:20 Matrix: Solid

Date Received: 03/09/23 08:18

Sample Depth: 8'

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac **Benzene** 0.00206 0.00200 mg/Kg 03/09/23 11:30 03/11/23 05:34 **Toluene** 0.00244 0.00200 mg/Kg 03/09/23 11:30 03/11/23 05:34 Ethylbenzene <0.00200 U 0.00200 mg/Kg 03/09/23 11:30 03/11/23 05:34 m-Xylene & p-Xylene <0.00399 U 0.00399 mg/Kg 03/09/23 11:30 03/11/23 05:34 o-Xylene <0.00200 U 0.00200 mg/Kg 03/09/23 11:30 03/11/23 05:34 Xylenes, Total <0.00399 U 0.00399 mg/Kg 03/09/23 11:30 03/11/23 05:34

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 70 - 130 03/09/23 11:30 03/11/23 05:34 124 1,4-Difluorobenzene (Surr) 107 70 - 130 03/09/23 11:30 03/11/23 05:34

Method: TAL SOP Total BTEX - Total BTEX Calculation

Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac 0.00399 03/13/23 18:25 **Total BTEX** 0.00450 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Result Qualifier Analyte Unit D RL Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 mg/Kg 03/10/23 18:01

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

			1/ (/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/09/23 10:13	03/09/23 22:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/09/23 10:13	03/09/23 22:52	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/09/23 10:13	03/09/23 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	03/09/23 10:13	03/09/23 22:52	1
o-Terphenyl	103		70 - 130	03/09/23 10:13	03/09/23 22:52	1

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Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-1 @ 8' Lab Sample ID: 880-25699-5

Date Collected: 03/08/23 09:20 **Matrix: Solid** Date Received: 03/09/23 08:18

Sample Depth: 8'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.6		4.95	mg/Kg			03/10/23 10:27	1

Client Sample ID: TT-1 @ 9' Lab Sample ID: 880-25699-6 Matrix: Solid

Date Collected: 03/08/23 09:30 Date Received: 03/09/23 08:18

Sample Depth: 9'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	6.82		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:37	100
Toluene	23.9		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:37	100
Ethylbenzene	12.5		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:37	100
m-Xylene & p-Xylene	15.5		0.398	mg/Kg		03/09/23 11:30	03/11/23 07:37	100
o-Xylene	5.99		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:37	100
Xylenes, Total	21.5		0.398	mg/Kg		03/09/23 11:30	03/11/23 07:37	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			03/09/23 11:30	03/11/23 07:37	100
1,4-Difluorobenzene (Surr)	91		70 - 130			03/09/23 11:30	03/11/23 07:37	100
Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)					
Amalista	Danula			11	_	Duamanad	A a l a d	D:: F
		Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed 03/10/23 18:01	Dil Fac
Total TPH Method: SW846 8015B NM - D	898 Diesel Range	Qualifier Organics	RL 49.9 (DRO) (GC)	mg/Kg	_ =	<u> </u>	03/10/23 18:01	1
Total TPH Method: SW846 8015B NM - D Analyte	898 Diesel Range Result	Qualifier	RL 49.9 (DRO) (GC) RL	mg/Kg Unit	<u>D</u>	Prepared	03/10/23 18:01 Analyzed	Dil Fac Dil Fac
Total TPH Method: SW846 8015B NM - D	898 Diesel Range	Qualifier Organics	RL 49.9 (DRO) (GC)	mg/Kg	_ =	<u> </u>	03/10/23 18:01	1
Method: SW846 8015B NM - D Analyte Gasoline Range Organics	898 Diesel Range Result	Qualifier Organics	RL 49.9 (DRO) (GC) RL	mg/Kg Unit	_ =	Prepared 03/09/23 10:13	03/10/23 18:01 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	898 Diesel Range Result 430	Qualifier Organics Qualifier	RL 49.9 (DRO) (GC) RL 49.9	mg/Kg Unit mg/Kg	_ =	Prepared 03/09/23 10:13 03/09/23 10:13	03/10/23 18:01 Analyzed 03/10/23 00:17	1
Total TPH Method: SW846 8015B NM - D Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Diesel Range Result 430 468	Qualifier Organics Qualifier U	RL 49.9 (DRO) (GC) RL 49.9	mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 03/09/23 10:13 03/09/23 10:13	03/10/23 18:01 Analyzed 03/10/23 00:17 03/10/23 00:17	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	46.9		5.00	mg/Kg			03/10/23 10:33	1	

70 - 130

101

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03/09/23 10:13 03/10/23 00:17

o-Terphenyl

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-25699-1

Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-1 @ 10'

Lab Sample ID: 880-25699-7 Date Collected: 03/08/23 09:40 **Matrix: Solid** Date Received: 03/09/23 08:18

Sample Depth: 10'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.543		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:57	100
Toluene	5.25		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:57	100
Ethylbenzene	5.20		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:57	100
m-Xylene & p-Xylene	5.96		0.398	mg/Kg		03/09/23 11:30	03/11/23 07:57	100
o-Xylene	2.57		0.199	mg/Kg		03/09/23 11:30	03/11/23 07:57	100
Xylenes, Total	8.53		0.398	mg/Kg		03/09/23 11:30	03/11/23 07:57	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			03/09/23 11:30	03/11/23 07:57	100
1,4-Difluorobenzene (Surr)	75		70 - 130			03/09/23 11:30	03/11/23 07:57	100
Method: TAL SOP Total BTEX	. Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	19.5		0.398	mg/Kg			03/13/23 18:25	1
		Ormaniaa (mg/Kg			03/13/23 18:25	1
Method: SW846 8015 NM - Die	esel Range (•	DRO) (GC)		n	Propared		
Method: SW846 8015 NM - Did Analyte	esel Range (Organics (Qualifier	DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die	esel Range (•	DRO) (GC)		<u>D</u>	Prepared		
Method: SW846 8015 NM - Did Analyte	esel Range (Result 1460	Qualifier	DRO) (GC) RL 49.9	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Did Analyte Total TPH	esel Range (Result 1460)	Qualifier	DRO) (GC) RL 49.9	Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	esel Range (Result 1460)	Qualifier Organics	DRO) (GC) RL 49.9 (DRO) (GC)	Unit mg/Kg	— = 	<u> </u>	Analyzed 03/10/23 18:01 Analyzed	Dil Fac
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range (Result 1460 Diesel Range Result	Qualifier Organics	DRO) (GC) RL 49.9 (DRO) (GC) RL	Unit mg/Kg	— = 	Prepared	Analyzed 03/10/23 18:01 Analyzed 03/10/23 00:38	Dil Fac
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10	Result 1460 Diesel Range Result 730	Qualifier Organics Qualifier	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9	Unit mg/Kg Unit mg/Kg	— = 	Prepared 03/09/23 10:13 03/09/23 10:13	Analyzed 03/10/23 18:01 Analyzed 03/10/23 00:38	Dil Fac
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 1460 Diesel Range Result 730 726	Qualifier Organics Qualifier U	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	— = 	Prepared 03/09/23 10:13 03/09/23 10:13	Analyzed 03/10/23 18:01 Analyzed 03/10/23 00:38 03/10/23 00:38	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 1460 Diesel Range Result 730 726	Qualifier Organics Qualifier U	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	— = 	Prepared 03/09/23 10:13 03/09/23 10:13	Analyzed 03/10/23 18:01 Analyzed 03/10/23 00:38 03/10/23 00:38 03/10/23 00:38	Dil Fac Dil Fac

Client Sample ID: TT-1 @ 10.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

46.1

Date Collected: 03/08/23 09:50

Date Received: 03/09/23 08:18

Sample Depth: 10.5'

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.199	U	0.199	mg/Kg		03/09/23 11:30	03/11/23 08:18	100
Toluene	1.27		0.199	mg/Kg		03/09/23 11:30	03/11/23 08:18	100
Ethylbenzene	1.04		0.199	mg/Kg		03/09/23 11:30	03/11/23 08:18	100
m-Xylene & p-Xylene	1.31		0.398	mg/Kg		03/09/23 11:30	03/11/23 08:18	100
o-Xylene	0.592		0.199	mg/Kg		03/09/23 11:30	03/11/23 08:18	100
Xylenes, Total	1.90		0.398	mg/Kg		03/09/23 11:30	03/11/23 08:18	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/09/23 11:30	03/11/23 08:18	100

RL

5.00

Unit

mg/Kg

D

Prepared

Analyzed

03/10/23 10:52

Lab Sample ID: 880-25699-8

Dil Fac

Matrix: Solid

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Matrix: Solid

Lab Sample ID: 880-25699-8

Lab Sample ID: 880-25699-9

Matrix: Solid

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-1 @ 10.5'

Date Collected: 03/08/23 09:50 Date Received: 03/09/23 08:18

Sample Depth: 10.5'

Mothod: SW846 8021B	- Volatilo Organio	Compounde	(GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	03/09/23 11:30	03/11/23 08:18	100

Method: TAL SOP	Total BTEX - Total BTEX	Calculation

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.21	0.398	mg/Kg			03/13/23 18:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte		Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101	50.0	mg/Kg			03/10/23 18:01	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0 U	50.0	mg/Kg		03/09/23 10:13	03/09/23 23:13	1
Diesel Range Organics (Over C10-C28)	101	50.0	mg/Kg		03/09/23 10:13	03/09/23 23:13	1
Oll Range Organics (Over C28-C36)	<50.0 U	50.0	mg/Kg		03/09/23 10:13	03/09/23 23:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	03/09/23 10:13	03/09/23 23:13	1
o-Terphenyl	91		70 - 130	03/09/23 10:13	03/09/23 23:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.3		4.96	mg/Kg			03/10/23 10:58	1

Client Sample ID: TT-1 @ 11'

Date Collected: 03/08/23 10:00 Date Received: 03/09/23 08:18

Sample Depth: 11'

Mothod: CIMOAC 9021D	Volatila	Organic	Compounds	(CC)

Method: 5W846 8U21B - VC	Diatile Organic	Compoun	as (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:55	1
Toluene	< 0.00201	U	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:55	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/09/23 11:30	03/11/23 05:55	1
o-Xylene	< 0.00201	U	0.00201	mg/Kg		03/09/23 11:30	03/11/23 05:55	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/09/23 11:30	03/11/23 05:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			03/09/23 11:30	03/11/23 05:55	1
1,4-Difluorobenzene (Surr)	108		70 - 130			03/09/23 11:30	03/11/23 05:55	1

-1			
ı	Mothod: TAI	COD Total DTEV	Total BTFX Calculation
-1	METHOD: IAI	SUPTOINIBLEX -	TOTAL BIEX GAIGHIAHON

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/13/23 18:25	1

Analyte	Result Q	ualifier	RL [´]	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	4	9.9	mg/Kg			03/10/23 18:01	1

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Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Da Date Received: 03/09/23 08:18

Sample Depth: 11'

Client Sample ID: TT-1 @ 11'	Lab Sample ID: 880-25699-9
Pate Collected: 03/08/23 10:00	Matrix: Solid

Method: SW846 8015B NM - I	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		03/09/23 10:13	03/09/23 23:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/09/23 10:13	03/09/23 23:34	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/09/23 10:13	03/09/23 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/09/23 10:13	03/09/23 23:34	1
o-Terphenyl	110		70 - 130			03/09/23 10:13	03/09/23 23:34	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.5		4.97	mg/Kg			03/10/23 11:04	1

Client Sample ID: TT-1 @ 11.5'

Date Collected: 03/08/23 10:10

Date Received: 03/09/23 08:18

Sample Depth: 11.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/09/23 11:30	03/11/23 06:15	1
Toluene	< 0.00202	U	0.00202	mg/Kg		03/09/23 11:30	03/11/23 06:15	1
Ethylbenzene	< 0.00202	U	0.00202	mg/Kg		03/09/23 11:30	03/11/23 06:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/09/23 11:30	03/11/23 06:15	1
o-Xylene	< 0.00202	U	0.00202	mg/Kg		03/09/23 11:30	03/11/23 06:15	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/09/23 11:30	03/11/23 06:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			03/09/23 11:30	03/11/23 06:15	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/09/23 11:30	03/11/23 06:15	1
Method: TAL SOP Total BTE Analyte		X Calculat Qualifier	ion RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result < 0.00404	Qualifier U	RL 0.00404	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/13/23 18:25	Dil Fac
Analyte	Result <0.00404	Qualifier U	RL 0.00404		<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - D	Result <0.00404	Qualifier U Organics (Qualifier	RL 0.00404 DRO) (GC)	mg/Kg			03/13/23 18:25	1
Analyte Total BTEX Method: SW846 8015 NM - D Analyte	Result <0.00404 iesel Range (Result <49.9	Qualifier U Organics (Qualifier U	RL 0.00404 DRO) (GC) RL 49.9	mg/Kg Unit			03/13/23 18:25 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - D Analyte Total TPH	Result <0.00404 iesel Range (Result <49.9 Diesel Range	Qualifier U Organics (Qualifier U	RL 0.00404 DRO) (GC) RL 49.9	mg/Kg Unit			03/13/23 18:25 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - D Analyte Total TPH Method: SW846 8015B NM -	Result <0.00404 iesel Range (Result <49.9 Diesel Range	Qualifier U Organics (Qualifier U Organics Qualifier Qualifier	RL 0.00404 DRO) (GC) RL 49.9	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	03/13/23 18:25 Analyzed 03/10/23 18:01	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - D Analyte Total TPH Method: SW846 8015B NM - Analyte Gasoline Range Organics	Result <0.00404 iesel Range (Result <49.9 Diesel Range Result	Qualifier U Organics (Qualifier U Organics U Organics U	RL 0.00404 DRO) (GC) RL 49.9	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared 03/09/23 10:13	03/13/23 18:25 Analyzed 03/10/23 18:01 Analyzed	Dil Fac Dil Fac

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Dil Fac

Analyzed

Prepared

03/09/23 10:13 03/09/23 21:47

03/09/23 10:13 03/09/23 21:47

Limits

70 - 130

70 - 130

%Recovery Qualifier

93

103

Matrix: Solid

Lab Sample ID: 880-25699-10

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Matrix: Solid

03/13/23 18:25

Lab Sample ID: 880-25699-10

Job ID: 880-25699-1

Client: TRC Solutions, Inc. Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-1 @ 11.5'

Date Collected: 03/08/23 10:10 Date Received: 03/09/23 08:18

Sample Depth: 11.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	48.4		5.00	mg/Kg			03/10/23 11:10	1		

Lab Sample ID: 880-25699-12 Client Sample ID: TT-2 @ 5'

Date Collected: 03/08/23 10:45 Date Received: 03/09/23 08:18

Sample Depth: 5'

Total BTEX

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.42		0.199	mg/Kg		03/09/23 11:30	03/11/23 10:08	100
Toluene	26.4		0.199	mg/Kg		03/09/23 11:30	03/11/23 10:08	100
Ethylbenzene	24.2		0.199	mg/Kg		03/09/23 11:30	03/11/23 10:08	100
m-Xylene & p-Xylene	25.9		0.398	mg/Kg		03/09/23 11:30	03/11/23 10:08	100
o-Xylene	11.1		0.199	mg/Kg		03/09/23 11:30	03/11/23 10:08	100
Xylenes, Total	37.0		0.398	mg/Kg		03/09/23 11:30	03/11/23 10:08	100
Surrogate	%Recovery (Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			03/09/23 11:30	03/11/23 10:08	100
1,4-Difluorobenzene (Surr)	91		70 - 130			03/09/23 11:30	03/11/23 10:08	100

Analyte	- Diesel Range Organics (I Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3060	50.0	mg/Kg		<u> </u>	03/10/23 18:01	1
Method: SW846 8015B N	M - Diesel Range Organics	(DRO) (GC)					

0.398

mg/Kg

91.0

Gasoline Range Organics (GRO)-C6-C10	1510		50.0	mg/Kg	03/09/23 10:13	03/09/23 23:56	1
Diesel Range Organics (Over C10-C28)	1550		50.0	mg/Kg	03/09/23 10:13	03/09/23 23:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	03/09/23 10:13	03/09/23 23:56	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130		03/09/23 10:13	03/09/23 23:56	1
o-Terphenyl	114		70 - 130		03/09/23 10:13	03/09/23 23:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	55.4		4.99	mg/Kg			03/10/23 11:16	1

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Lab Sample ID: 880-25699-13

03/09/23 10:13 03/10/23 02:47

Client: TRC Solutions, Inc.

Job ID: 880-25699-1

Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-3 @ 4'
Date Collected: 03/08/23 11:05
Date Received: 03/09/23 08:18

Sample Depth: 4'

Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24.9		1.01	mg/Kg		03/10/23 11:06	03/18/23 19:57	500
Toluene	124		1.01	mg/Kg		03/10/23 11:06	03/18/23 19:57	500
Ethylbenzene	72.7		1.01	mg/Kg		03/10/23 11:06	03/18/23 19:57	500
m-Xylene & p-Xylene	88.8		2.01	mg/Kg		03/10/23 11:06	03/18/23 19:57	500
o-Xylene	37.4		1.01	mg/Kg		03/10/23 11:06	03/18/23 19:57	500
Xylenes, Total	126		2.01	mg/Kg		03/10/23 11:06	03/18/23 19:57	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130			03/10/23 11:06	03/18/23 19:57	500
1,4-Difluorobenzene (Surr)	82		70 - 130			03/10/23 11:06	03/18/23 19:57	500

Method:	AL SOP Total BTEX - Total B	TEX Calculation						
Analyte	Resi	ult Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	34	48 2	2.01	mg/Kg			03/19/23 16:17	1

Method: SW846 8015 NM - Dies	sel Range Organics	(DRO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8670	250	mg/Kg			03/10/23 18:01	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4950		250	mg/Kg		03/09/23 10:13	03/10/23 02:47	5
Diesel Range Organics (Over C10-C28)	3720		250	mg/Kg		03/09/23 10:13	03/10/23 02:47	5
Oll Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/09/23 10:13	03/10/23 02:47	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			03/09/23 10:13	03/10/23 02:47	5

Method: EPA 300.0 - Anions, lo	on Chromat	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78.2	F1	4.95	mg/Kg			03/10/23 11:23	1

70 - 130

114

Client Sample ID: TT-3 @ 5'

Date Collected: 03/08/23 11:10

Lab Sample ID: 880-25699-14

Matrix: Solid

Date Received: 03/09/23 08:18

Sample Depth: 5'

o-Terphenyl

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Benzene	57.4	1.01	mg/Kg	03/10/23 11:06	03/18/23 20:17	500
Toluene	184	1.01	mg/Kg	03/10/23 11:06	03/18/23 20:17	500
Ethylbenzene	90.3	1.01	mg/Kg	03/10/23 11:06	03/18/23 20:17	500
m-Xylene & p-Xylene	110	2.02	mg/Kg	03/10/23 11:06	03/18/23 20:17	500
o-Xylene	45.5	1.01	mg/Kg	03/10/23 11:06	03/18/23 20:17	500
Xylenes, Total	156	2.02	mg/Kg	03/10/23 11:06	03/18/23 20:17	500
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103	70 - 130		03/10/23 11:06	03/18/23 20:17	500

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Client: TRC Solutions, Inc. Job ID: 880-25699-1

Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-3 @ 5'

Lab Sample ID: 880-25699-14 Date Collected: 03/08/23 11:10 **Matrix: Solid** Date Received: 03/09/23 08:18

Sample Depth: 5'

Method: SW846 8021B - Volatile	Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91	70 - 130	03/10/23 11:06	03/18/23 20:17	500

Method: TAL SOP	Total BTEX - Total BTEX	Calculation

Analyte	Result	Qualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	487	2.02	mg/Kg			03/19/23 16:17	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12400	250	mg/Kg			03/10/23 18:01	1

Method: SW846 8	8015B NM	- Diesel Range	Organics	(DRO)	(GC)	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	7850	250	mg/Kg		03/09/23 10:13	03/10/23 03:09	5
Diesel Range Organics (Over C10-C28)	4570	250	mg/Kg		03/09/23 10:13	03/10/23 03:09	5
Oll Range Organics (Over C28-C36)	<250 U	250	mg/Kg		03/09/23 10:13	03/10/23 03:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130	03/09/23 10:13	03/10/23 03:09	5
o-Terphenyl	104		70 - 130	03/09/23 10:13	03/10/23 03:09	5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.0		5.00	mg/Kg			03/10/23 11:41	1

Client Sample ID: TT-3 @ 6'

Date Collected: 03/08/23 11:15 Date Received: 03/09/23 08:18

Sample Depth: 6'

Mothod: CIMOAC 9021D	Volatila	Organic	Compounds	(CC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	58.2		0.996	mg/Kg		03/10/23 11:06	03/18/23 20:38	500
Toluene	194		0.996	mg/Kg		03/10/23 11:06	03/18/23 20:38	500
Ethylbenzene	95.5		0.996	mg/Kg		03/10/23 11:06	03/18/23 20:38	500
m-Xylene & p-Xylene	111		1.99	mg/Kg		03/10/23 11:06	03/18/23 20:38	500
o-Xylene	43.5		0.996	mg/Kg		03/10/23 11:06	03/18/23 20:38	500
Xylenes, Total	155		1.99	mg/Kg		03/10/23 11:06	03/18/23 20:38	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130			03/10/23 11:06	03/18/23 20:38	500
4.45%	7.0		70 400			00/10/00 11 00	00//0/00 00 00	

4-Bromotil	Jorobenzene (Surr)	86	70 - 130	03/10/23 11:06	03/18/23 20:38	500
1,4-Difluor	robenzene (Surr)	76	70 - 130	03/10/23 11:06	03/18/23 20:38	500
_						

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	502		1.99	mg/Kg			03/19/23 16:17	1

Method: SW846	3 8015 NM - Diese	I Range Organics	(DRO) (GC)
			(-::-) ()

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15000	499	mg/Kg			03/10/23 18:01	1

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Lab Sample ID: 880-25699-15

Matrix: Solid

Client: TRC Solutions, Inc. Job ID: 880-25699-1

Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-3 @ 6' Lab Sample ID: 880-25699-15 Date Collected: 03/08/23 11:15 Date Received: 03/09/23 08:18

Sample Depth: 6'	,							
Method: SW846 8015B NM -	Diesel Range	e Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	9360		499	mg/Kg		03/09/23 10:13	03/10/23 03:30	10

Diesel Range Organics (Over 499 mg/Kg 03/09/23 10:13 03/10/23 03:30 5670 10 C10-C28) Oll Range Organics (Over C28-C36) <499 U 499 mg/Kg 03/09/23 10:13 03/10/23 03:30 10

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 70 - 130 03/09/23 10:13 03/10/23 03:30 207 S1+ 10 174 S1+ o-Terphenyl 70 - 130 03/09/23 10:13 03/10/23 03:30 10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 03/10/23 11:47 Chloride 48.2 4.98 mg/Kg

Client Sample ID: TT-3 @ 7' Lab Sample ID: 880-25699-16 Date Collected: 03/08/23 11:25 Matrix: Solid

Date Received: 03/09/23 08:18

Sample Depth: 7'

Method: SW846 8021B - Vo	latile Organic Compou	ınds (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	40.7	0.994	mg/Kg		03/10/23 11:06	03/18/23 20:58	500
Toluene	18.2	0.994	mg/Kg		03/10/23 11:06	03/18/23 20:58	500
Ethylbenzene	84.8	0.994	mg/Kg		03/10/23 11:06	03/18/23 20:58	500
m-Xylene & p-Xylene	96.2	1.99	mg/Kg		03/10/23 11:06	03/18/23 20:58	500
o-Xylene	36.3	0.994	mg/Kg		03/10/23 11:06	03/18/23 20:58	500
Xylenes, Total	133	1.99	mg/Kg		03/10/23 11:06	03/18/23 20:58	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	03/10/23 11:06	03/18/23 20:58	500
1,4-Difluorobenzene (Surr)	74		70 - 130	03/10/23 11:06	03/18/23 20:58	500

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 1.99 03/19/23 16:17 **Total BTEX** 276 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Analyzed Prepared Dil Fac 499 03/10/23 18:01

Total TPH 12900 mg/Kg Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) RL Unit

Analyte Result Qualifier D Prepared Analyzed Dil Fac 499 **Gasoline Range Organics** 7920 mg/Kg 10 (GRO)-C6-C10 **Diesel Range Organics (Over** 499 03/09/23 10:13 03/10/23 03:52 mg/Kg 10 4970 C10-C28) Oll Range Organics (Over C28-C36) <499 U 499 mg/Kg 03/09/23 10:13 03/10/23 03:52 10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	177	S1+	70 - 130	03/09/23 10:13	03/10/23 03:52	10
o-Terphenyl	116		70 - 130	03/09/23 10:13	03/10/23 03:52	10

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-3 @ 7' Lab Sample ID: 880-25699-16 Date Collected: 03/08/23 11:25

Matrix: Solid

Date Received: 03/09/23 08:18

Sample Depth: 7'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	51.3	4.97	mg/Kg			03/10/23 12:06	1		

Client Sample ID: TT-3 @ 8' Lab Sample ID: 880-25699-17

Date Collected: 03/08/23 11:35 Matrix: Solid

Date Received: 03/09/23 08:18

Sample Depth: 8'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	43.4		0.998	mg/Kg		03/10/23 11:06	03/18/23 21:19	500
Toluene	179		0.998	mg/Kg		03/10/23 11:06	03/18/23 21:19	500
Ethylbenzene	95.0		0.998	mg/Kg		03/10/23 11:06	03/18/23 21:19	500
m-Xylene & p-Xylene	108		2.00	mg/Kg		03/10/23 11:06	03/18/23 21:19	500
o-Xylene	45.3		0.998	mg/Kg		03/10/23 11:06	03/18/23 21:19	50
Xylenes, Total	153		2.00	mg/Kg		03/10/23 11:06	03/18/23 21:19	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	130		70 - 130			03/10/23 11:06	03/18/23 21:19	50
1,4-Difluorobenzene (Surr)	120		70 - 130			03/10/23 11:06	03/18/23 21:19	500
Method: TAL SOP Total BTEX	C - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	471		2.00	mg/Kg			03/19/23 16:17	
- - -								
Method: SW846 8015 NM - Die	acal Banga (
	_	•	, , ,		_			
Analyte	Result	Qualifier		Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
	_	•	, , ,	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/10/23 18:01	Dil Fa
Analyte	Result 9390	Qualifier	RL 249		<u>D</u>	Prepared		Dil Fa
Analyte Total TPH	Result 9390 Diesel Range	Qualifier	RL 249		<u>D</u> D	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - E	Result 9390 Diesel Range	Qualifier Organics	RL 249 (DRO) (GC)	mg/Kg			03/10/23 18:01	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Description of the state o	Result 9390 Diesel Range Result	Qualifier Organics	RL 249 (DRO) (GC) RL	mg/Kg Unit		Prepared 03/09/23 10:13	03/10/23 18:01 Analyzed	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - Description of the sum	Result 9390 Diesel Range Result 5820	Qualifier Organics Qualifier	RL 249 (DRO) (GC) RL 249	mg/Kg Unit mg/Kg		Prepared 03/09/23 10:13 03/09/23 10:13	03/10/23 18:01 Analyzed 03/10/23 04:14	Dil Fa
Analyte Total TPH Method: SW846 8015B NM - DANALYTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 9390 Diesel Range Result 5820 3570	Qualifier Organics Qualifier U	RL 249 (DRO) (GC) RL 249 249	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/09/23 10:13 03/09/23 10:13	03/10/23 18:01 Analyzed 03/10/23 04:14 03/10/23 04:14	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - December 2015 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 9390 Diesel Range Result 5820 3570 <249	Qualifier Organics Qualifier U	RL 249 (DRO) (GC) RL 249 249 249	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/09/23 10:13 03/09/23 10:13	03/10/23 18:01 Analyzed 03/10/23 04:14 03/10/23 04:14 03/10/23 04:14 Analyzed	Dil Fa

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Analyzed

03/10/23 12:12

Dil Fac

RL

4.96

Unit

mg/Kg

D

Prepared

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

40.4

Lab Sample ID: 880-25699-18

03/09/23 10:13 03/10/23 04:36

03/09/23 10:13 03/10/23 04:36

Lab Sample ID: 880-25699-19

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-3 @ 9'

Date Collected: 03/08/23 11:45 Date Received: 03/09/23 08:18

Sample Depth: 9'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	54.3		1.00	mg/Kg		03/10/23 11:06	03/18/23 21:39	500
Toluene	176		1.00	mg/Kg		03/10/23 11:06	03/18/23 21:39	500
Ethylbenzene	98.8		1.00	mg/Kg		03/10/23 11:06	03/18/23 21:39	500
m-Xylene & p-Xylene	105		2.00	mg/Kg		03/10/23 11:06	03/18/23 21:39	500
o-Xylene	39.9		1.00	mg/Kg		03/10/23 11:06	03/18/23 21:39	500
Xylenes, Total	145		2.00	mg/Kg		03/10/23 11:06	03/18/23 21:39	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			03/10/23 11:06	03/18/23 21:39	500
1,4-Difluorobenzene (Surr)	87		70 - 130			03/10/23 11:06	03/18/23 21:39	500
Total BTEX : Method: SW846 8015 NM - Die				mg/Kg			03/19/23 16:17	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12700		250	mg/Kg			03/10/23 18:01	1
Method: SW846 8015B NM - D	_	_						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	7820		250	mg/Kg		03/09/23 10:13	03/10/23 04:36	5
(GRO)-C6-C10								
Diesel Range Organics (Over	4890		250	mg/Kg		03/09/23 10:13	03/10/23 04:36	5
	4890 <250	U	250 250	mg/Kg mg/Kg			03/10/23 04:36 03/10/23 04:36	Ę

Method: EPA 300.0 - Anions	, Ion Chromatography - S	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.7	5.04	mg/Kg			03/10/23 12:18	1

70 - 130

70 - 130

164 S1+

116

Client Sample ID: TT-3 @ 10'

Date Collected: 03/08/23 11:55 Date Received: 03/09/23 08:18

Sample Depth: 10'

1-Chlorooctane

o-Terphenyl

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	18.7	1.01	mg/Kg		03/14/23 14:47	03/19/23 07:52	500
Toluene	80.2	1.01	mg/Kg		03/14/23 14:47	03/19/23 07:52	500
Ethylbenzene	49.0	1.01	mg/Kg		03/14/23 14:47	03/19/23 07:52	500
m-Xylene & p-Xylene	51.1	2.02	mg/Kg		03/14/23 14:47	03/19/23 07:52	500
o-Xylene	21.0	1.01	mg/Kg		03/14/23 14:47	03/19/23 07:52	500
Xylenes, Total	72.1	2.02	mg/Kg		03/14/23 14:47	03/19/23 07:52	500
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	70 - 130			03/14/23 14:47	03/19/23 07:52	500

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Matrix: Solid

Lab Sample ID: 880-25699-19

Lab Sample ID: 880-25699-20

Matrix: Solid

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-3 @ 10'

Date Collected: 03/08/23 11:55 Date Received: 03/09/23 08:18

Sample Depth: 10'

Method: SW846 8021B - Volatile Organic Co	ompounds (GC)	(Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	88	70 - 130	03/14/23 14:47	03/19/23 07:52	500

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	220		2.02	mg/Kg			03/19/23 16:17	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7630		250	mg/Kg			03/10/23 18:01	1

Method: SW846 8015B NM - Diesel Range	Organics (DRO) (GC)
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Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	4450	250	mg/Kg		03/09/23 10:13	03/10/23 04:57	5
Diesel Range Organics (Over C10-C28)	3180	250	mg/Kg		03/09/23 10:13	03/10/23 04:57	5
Oll Range Organics (Over C28-C36)	<250 U	250	mg/Kg		03/09/23 10:13	03/10/23 04:57	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	03/09/23 10:13	03/10/23 04:57	5
o-Terphenyl	117		70 - 130	03/09/23 10:13	03/10/23 04:57	5

Method: EPA 300.0 -	Anions, Ion Chromatography -	Soluble
A so a location	Desuit Ouslities	D.

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.6		4.98	mg/Kg			03/10/23 12:24	1

Client Sample ID: TT-3 @ 10.5'

Date Collected: 03/08/23 12:10 Date Received: 03/09/23 08:18

Sample Depth: 10.5'

Method: SW846 8021B - Volatile Orga	anic Compounds (GC)
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Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.66		0.201	mg/Kg		03/09/23 11:30	03/11/23 12:52	100
Toluene	14.2		0.201	mg/Kg		03/09/23 11:30	03/11/23 12:52	100
Ethylbenzene	9.44		0.201	mg/Kg		03/09/23 11:30	03/11/23 12:52	100
m-Xylene & p-Xylene	10.0		0.402	mg/Kg		03/09/23 11:30	03/11/23 12:52	100
o-Xylene	3.76		0.201	mg/Kg		03/09/23 11:30	03/11/23 12:52	100
Xylenes, Total	13.8		0.402	mg/Kg		03/09/23 11:30	03/11/23 12:52	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			03/09/23 11:30	03/11/23 12:52	100
1.4-Difluorobenzene (Surr)	86		70 - 130			03/09/23 11:30	03/11/23 12:52	100

4-Bromofluorobenzene (Surr)	97	70 - 130	03/09/23 11:30 03/11/23 12:52 100)
1,4-Difluorobenzene (Surr)	86	70 - 130	03/09/23 11:30 03/11/23 12:52 100)

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	41.1		0.402	mg/Kg			03/13/23 18:25	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	310	49.9	mg/Kg		_	03/10/23 18:01	1

Client: TRC Solutions, Inc. Job ID: 880-25699-1 SDG: Hobbs Station

Project/Site: HEP-Hobbs Station-TK5202

Client Sample ID: TT-3 @ 10.5' Lab Sample ID: 880-25699-20 Date Collected: 03/08/23 12:10 Matrix: Solid Date Received: 03/09/23 08:18

Sample Depth: 10.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	123		49.9	mg/Kg		03/09/23 10:13	03/10/23 01:00	1
Diesel Range Organics (Over C10-C28)	187		49.9	mg/Kg		03/09/23 10:13	03/10/23 01:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/09/23 10:13	03/10/23 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			03/09/23 10:13	03/10/23 01:00	1
o-Terphenyl	104		70 - 130			03/09/23 10:13	03/10/23 01:00	1
Method: EPA 300.0 - Anions,	lon Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte		-,						

Client Sample ID: TT-4 @ 5' Lab Sample ID: 880-25699-22 **Matrix: Solid**

Date Collected: 03/08/23 13:35

Date Received: 03/09/23 08:18

Sample Depth: 5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	43.2		0.996	mg/Kg		03/14/23 14:47	03/19/23 08:13	500
Toluene	133		0.996	mg/Kg		03/14/23 14:47	03/19/23 08:13	500
Ethylbenzene	55.1		0.996	mg/Kg		03/14/23 14:47	03/19/23 08:13	500
m-Xylene & p-Xylene	66.9		1.99	mg/Kg		03/14/23 14:47	03/19/23 08:13	500
o-Xylene	26.8		0.996	mg/Kg		03/14/23 14:47	03/19/23 08:13	500
Xylenes, Total	93.7		1.99	mg/Kg		03/14/23 14:47	03/19/23 08:13	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			03/14/23 14:47	03/19/23 08:13	500
1,4-Difluorobenzene (Surr)	83		70 - 130			03/14/23 14:47	03/19/23 08:13	500
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	325		1.99	mg/Kg			03/19/23 16:17	1
Method: SW846 8015 NM - Die	esel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12100		250	mg/Kg			03/10/23 18:01	1
Method: SW846 8015B NM - D	iesel Range	Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	8200		250	mg/Kg		03/09/23 10:13	03/10/23 05:18	5
Diesel Range Organics (Over C10-C28)	3870		250	mg/Kg		03/09/23 10:13	03/10/23 05:18	5
Oll Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/09/23 10:13	03/10/23 05:18	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130			03/09/23 10:13	03/10/23 05:18	5

Matrix: Solid

Lab Sample ID: 880-25699-22

Job ID: 880-25699-1

Client: TRC Solutions, Inc. Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-4 @ 5'

Date Collected: 03/08/23 13:35 Date Received: 03/09/23 08:18

Sample Depth: 5'

Method: EPA 300.0 - Anions, I	on Chromat	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.2		4.97	mg/Kg			03/10/23 12:37	1

Client Sample ID: TT-4 @ 6' Lab Sample ID: 880-25699-23

Date Collected: 03/08/23 13:40 Date Received: 03/09/23 08:18

Sample Depth: 6'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	24.2		0.994	mg/Kg		03/14/23 14:47	03/19/23 08:33	500
Toluene	85.6		0.994	mg/Kg		03/14/23 14:47	03/19/23 08:33	500
Ethylbenzene	39.9		0.994	mg/Kg		03/14/23 14:47	03/19/23 08:33	500
m-Xylene & p-Xylene	49.2		1.99	mg/Kg		03/14/23 14:47	03/19/23 08:33	500
o-Xylene	20.5		0.994	mg/Kg		03/14/23 14:47	03/19/23 08:33	500
Xylenes, Total	69.7		1.99	mg/Kg		03/14/23 14:47	03/19/23 08:33	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			03/14/23 14:47	03/19/23 08:33	500
1,4-Difluorobenzene (Surr)	85		70 - 130			03/14/23 14:47	03/19/23 08:33	500

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	219	1.99	mg/Kg			03/19/23 16:17	1
Method: SW846 8015 NM - Die	sel Range Organics (D	RO) (GC)					

Method: 544846 8015 NW - Die	esei Range Organics (Di	(GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	12600	250	mg/Kg			03/10/23 18:01	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	8840		250	mg/Kg		03/09/23 10:13	03/10/23 05:40	5
Diesel Range Organics (Over C10-C28)	3740		250	mg/Kg		03/09/23 10:13	03/10/23 05:40	5
Oll Range Organics (Over C28-C36)	<250	U	250	mg/Kg		03/09/23 10:13	03/10/23 05:40	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130			03/09/23 10:13	03/10/23 05:40	5
o-Terphenyl	110		70 - 130			03/09/23 10:13	03/10/23 05:40	5

Method: EPA 300.0 - Anions, Io	n Chromatograp	hy - Soluble					
Analyte	Result Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4	4.97	mg/Kg			03/10/23 12:43	1

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1 SDG: Hobbs Station

Lab Sample ID: 880-25699-24

Client Sample ID: TT-4 @ 7' Date Collected: 03/08/23 13:45 Date Received: 03/09/23 08:18

Matrix: Solid

Sample Depth: 7'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	10.6		0.200	mg/Kg		03/09/23 15:49	03/20/23 10:20	100
Toluene	38.8		0.200	mg/Kg		03/09/23 15:49	03/20/23 10:20	100
Ethylbenzene	16.5		0.200	mg/Kg		03/09/23 15:49	03/20/23 10:20	100
m-Xylene & p-Xylene	22.6		0.401	mg/Kg		03/09/23 15:49	03/20/23 10:20	100
o-Xylene	9.93		0.200	mg/Kg		03/09/23 15:49	03/20/23 10:20	100
Xylenes, Total	32.5		0.401	mg/Kg		03/09/23 15:49	03/20/23 10:20	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			03/09/23 15:49	03/20/23 10:20	100
1,4-Difluorobenzene (Surr)	102		70 - 130			03/09/23 15:49	03/20/23 10:20	100

Method: TAL SOP Total BTEX	 Total BTEX Calculation 	on					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	98.4	0.401	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Dies	sel Range C	ار) rganics (ا	DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1870		49.9	mg/Kg			03/10/23 18:04	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	837		49.9	mg/Kg		03/09/23 10:49	03/10/23 03:30	1
Diesel Range Organics (Over C10-C28)	923		49.9	mg/Kg		03/09/23 10:49	03/10/23 03:30	1
Oll Range Organics (Over C28-C36)	109		49.9	mg/Kg		03/09/23 10:49	03/10/23 03:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	26	S1-	70 - 130			03/09/23 10:49	03/10/23 03:30	1
o-Terphenyl	23	S1-	70 - 130			03/09/23 10:49	03/10/23 03:30	1

Method: EPA 300.0 - Anions	, Ion Chromatography - S	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.1	4.95	mg/Kg			03/09/23 14:40	1

Client Sample ID: TT-4 @ 8' Lab Sample ID: 880-25699-25 **Matrix: Solid**

Date Collected: 03/08/23 13:55 Date Received: 03/09/23 08:18

Sample Depth: 8'

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.43	0.201	mg/Kg		03/09/23 15:49	03/20/23 10:41	100
Toluene	7.87	0.201	mg/Kg		03/09/23 15:49	03/20/23 10:41	100
Ethylbenzene	4.86	0.201	mg/Kg		03/09/23 15:49	03/20/23 10:41	100
m-Xylene & p-Xylene	7.33	0.402	mg/Kg		03/09/23 15:49	03/20/23 10:41	100
o-Xylene	12.5	0.201	mg/Kg		03/09/23 15:49	03/20/23 10:41	100
Xylenes, Total	19.8	0.402	mg/Kg		03/09/23 15:49	03/20/23 10:41	100

Lab Sample ID: 880-25699-25

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-4 @ 8'

Date Collected: 03/08/23 13:55 Date Received: 03/09/23 08:18

Sample Depth: 8'

Surrogate	%Recovery Quali	fier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125	70 - 130	03/09/23 15:49	03/20/23 10:41	100
1,4-Difluorobenzene (Surr)	106	70 - 130	03/09/23 15:49	03/20/23 10:41	100

Method: TAL SOP Total BTEX	- Total BTEX	(Calculatio	n					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	34.0		0.402	mg/Kg			03/20/23 12:23	1

Method: SW846 8015 NM - Die:	sel Range (Organics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1640		49.9	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	729	49.9	mg/Kg		03/09/23 10:49	03/10/23 03:52	1
Diesel Range Organics (Over C10-C28)	812	49.9	mg/Kg		03/09/23 10:49	03/10/23 03:52	1
Oll Range Organics (Over C28-C36)	98.0	49.9	mg/Kg		03/09/23 10:49	03/10/23 03:52	1
Surrogate	%Recovery Qualifier	l imits			Prepared	Analyzed	Dil Fac

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	28	S1-	70 - 130	03/09/23 10:49	03/10/23 03:52	1
	o-Terphenyl	26	S1-	70 - 130	03/09/23 10:49	03/10/23 03:52	1
1	_						

Method: EPA 300.0 - Anions, Id	on Chromatography -	Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.5	4.97	mg/Kg			03/09/23 16:18	1

Client Sample ID: TT-4 @ 9' Lab Sample ID: 880-25699-26 Date Collected: 03/08/23 14:05 **Matrix: Solid**

Date Received: 03/09/23 08:18

Sample Depth: 9'

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.07		0.198	mg/Kg		03/09/23 15:49	03/20/23 11:01	100
Toluene	15.7		0.198	mg/Kg		03/09/23 15:49	03/20/23 11:01	100
Ethylbenzene	6.36		0.198	mg/Kg		03/09/23 15:49	03/20/23 11:01	100
m-Xylene & p-Xylene	8.67		0.396	mg/Kg		03/09/23 15:49	03/20/23 11:01	100
o-Xylene	4.00		0.198	mg/Kg		03/09/23 15:49	03/20/23 11:01	100
Xylenes, Total	12.7		0.396	mg/Kg		03/09/23 15:49	03/20/23 11:01	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130			03/09/23 15:49	03/20/23 11:01	100
1,4-Difluorobenzene (Surr)	94		70 - 130			03/09/23 15:49	03/20/23 11:01	100

RL

0.396

Unit

mg/Kg

Prepared

Eurofins Midland

Analyzed

03/20/23 12:23

Result Qualifier

38.8

Dil Fac

Lab Sample ID: 880-25699-26

Lab Sample ID: 880-25699-27

03/20/23 08:52 03/20/23 15:38

Client: TRC Solutions, Inc. Job ID: 880-25699-1 SDG: Hobbs Station

Project/Site: HEP-Hobbs Station-TK5202

Client Sample ID: TT-4 @ 9'

Date Collected: 03/08/23 14:05 Date Received: 03/09/23 08:18

Sample Depth: 9'

Method: SW846 8015 NM - Die	sel Range (Organics (I	DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1830		49.9	mg/Kg			03/10/23 18:04	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	912		49.9	mg/Kg		03/09/23 10:49	03/10/23 04:14	1
Diesel Range Organics (Over C10-C28)	825		49.9	mg/Kg		03/09/23 10:49	03/10/23 04:14	1
Oll Range Organics (Over C28-C36)	96.9		49.9	mg/Kg		03/09/23 10:49	03/10/23 04:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	27	S1-	70 - 130			03/09/23 10:49	03/10/23 04:14	1
o-Ternhenyl	24	S1-	70 - 130			03/00/23 10:40	03/10/23 04:14	1

Method: EPA 300.0 - Anions, lo	n Chromat	ography - S	Soluble					
Analyte	Result	Qualifier	RL	Unit	_ D	Prepared	Analyzed	Dil Fac
Chloride	38.9		5.04	mg/Kg			03/09/23 16:22	1

Client Sample ID: TT-4 @ 10'

Date Collected: 03/08/23 14:20 Date Received: 03/09/23 08:18

Sample Depth: 10'

1,4-Difluorobenzene (Surr)

Method: SW846 8021B -	Volatile Organic Compounds	(GC)
Amalusta	Desuit Ouglities	

116

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	17.1		0.200	mg/Kg		03/14/23 14:47	03/19/23 08:54	100
Toluene	181		0.990	mg/Kg		03/20/23 08:52	03/20/23 15:38	500
Ethylbenzene	22.3		0.200	mg/Kg		03/14/23 14:47	03/19/23 08:54	100
m-Xylene & p-Xylene	25.7		0.399	mg/Kg		03/14/23 14:47	03/19/23 08:54	100
o-Xylene	10.8		0.200	mg/Kg		03/14/23 14:47	03/19/23 08:54	100
Xylenes, Total	36.5		0.399	mg/Kg		03/14/23 14:47	03/19/23 08:54	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			03/14/23 14:47	03/19/23 08:54	100
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130			03/20/23 08:52	03/20/23 15:38	500
1 4-Difluorobenzene (Surr)	76		70 - 130			03/14/23 14:47	03/19/23 08:54	100

Method: TAL SOP Total BTEX	- Total BTEX Calculati	on					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	257	0.399	mg/Kg			03/19/23 16:17	1

70 - 130

	_ Method: SW846 8015 NM - Die	sel Range (Organics (D	RO) (GC)					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	1820		50.0	mg/Kg			03/10/23 18:04	1

Method: SW846 8015B NM - D	Diesel Range Organics (I	ORO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	865	50.0	mg/Kg		03/09/23 10:49	03/10/23 04:36	1

Eurofins Midland

Matrix: Solid

500

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-4 @ 10'

Date Collected: 03/08/23 14:20 Date Received: 03/09/23 08:18

Sample Depth: 10'

∟ab Sample ID: 880-25699-27

03/09/23 16:27

Matrix: Solid

Lab Sample ID: 880-25699-28

Matrix: Solid

Method: SW846 8015B NM -	Diesel Range	Organics	(DRO) (GC) (C	ontinued)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	858		50.0	mg/Kg		03/09/23 10:49	03/10/23 04:36	1
Oll Range Organics (Over C28-C36)	100		50.0	mg/Kg		03/09/23 10:49	03/10/23 04:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1-	70 - 130			03/09/23 10:49	03/10/23 04:36	1
o-Terphenyl	23	S1-	70 - 130			03/09/23 10:49	03/10/23 04:36	1
Method: EPA 300.0 - Anions	, Ion Chroma	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

4.98

mg/Kg

36.3

Client Sample ID: TT-4 @ 11'

Date Collected: 03/08/23 14:30

Date Received: 03/09/23 08:18

Chloride

Sample Depth: 11'								
Method: SW846 8021B - Vol	atile Organic	Compoun	ds (GC)					
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.69	-	0.201	mg/Kg		03/14/23 14:47	03/19/23 09:14	100
Toluene	18.7		0.201	mg/Kg		03/14/23 14:47	03/19/23 09:14	100
Ethylbenzene	9.44		0.201	mg/Kg		03/14/23 14:47	03/19/23 09:14	100
m-Xylene & p-Xylene	11.3		0.402	mg/Kg		03/14/23 14:47	03/19/23 09:14	100
o-Xylene	5.59		0.201	mg/Kg		03/14/23 14:47	03/19/23 09:14	100
Xylenes, Total	16.9		0.402	mg/Kg		03/14/23 14:47	03/19/23 09:14	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			03/14/23 14:47	03/19/23 09:14	100
1,4-Difluorobenzene (Surr)	85		70 - 130			03/14/23 14:47	03/19/23 09:14	100
Method: TAL SOP Total BTE	Y - Total RTE	Y Calculat	ion					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	49.7		0.402	mg/Kg			03/19/23 16:17	1
 Method: SW846 8015 NM - D	_	•	, , ,					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1860		49.9	mg/Kg			03/10/23 18:04	1
 Method: SW846 8015B NM -	Diesel Range	e Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	864		49.9	mg/Kg		03/09/23 10:49	03/10/23 04:57	1
Diesel Range Organics (Over C10-C28)	893		49.9	mg/Kg		03/09/23 10:49	03/10/23 04:57	1
Oll Range Organics (Over C28-C36)	107		49.9	mg/Kg		03/09/23 10:49	03/10/23 04:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	
	7011CCCVC1 y	-,					7 117 a 1 y 2 o a	Dil Fac
1-Chlorooctane	26		70 - 130			03/09/23 10:49	03/10/23 04:57	Dil Fac

Date Received: 03/09/23 08:18

Job ID: 880-25699-1

Client: TRC Solutions, Inc. Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-4 @ 11' Lab Sample ID: 880-25699-28 Date Collected: 03/08/23 14:30

Matrix: Solid

Sample Depth: 11'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fa									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	34.8		4.95	mg/Kg			03/09/23 16:32	1

Client Sample ID: TT-4 @ 11.5' Lab Sample ID: 880-25699-29

Date Collected: 03/08/23 14:40 Matrix: Solid

Date Received: 03/09/23 08:18 Sample Depth: 11.5'

Analyte

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	8.94		0.499	mg/Kg		03/16/23 12:22	03/18/23 04:20	250
Toluene	80.4		0.499	mg/Kg		03/16/23 12:22	03/18/23 04:20	250
Ethylbenzene	44.5		0.499	mg/Kg		03/16/23 12:22	03/18/23 04:20	250
m-Xylene & p-Xylene	56.0		0.998	mg/Kg		03/16/23 12:22	03/18/23 04:20	250
o-Xylene	23.6		0.499	mg/Kg		03/16/23 12:22	03/18/23 04:20	250
Xylenes, Total	79.6		0.998	mg/Kg		03/16/23 12:22	03/18/23 04:20	250
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130			03/16/23 12:22	03/18/23 04:20	250
1,4-Difluorobenzene (Surr)	67	S1-	70 - 130			03/16/23 12:22	03/18/23 04:20	250

Total BTEX	213	0.998	mg/Kg			03/19/23 16:17	1
Method: SW846 8015 NM -	- Diesel Range Organics (D	RO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1800	50.0	mg/Kg			03/10/23 18:04	1
- Mathada SWOAC GOAFD NIN	I. Disasi Danga Ogganias ((DDO) (CC)					
Method: SW846 8015B NM	i - Diesei Range Organics (DRO) (GC)					
Analysta	Decult Qualifier	DI	l Init	_ n	Dropored	Analyzad	Dil Eco

RL

Result Qualifier

Unit

Prepared

Analyzed

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	804		50.0	mg/Kg		03/09/23 10:49	03/10/23 05:18	1
Diesel Range Organics (Over C10-C28)	886		50.0	mg/Kg		03/09/23 10:49	03/10/23 05:18	1
Oll Range Organics (Over C28-C36)	105		50.0	mg/Kg		03/09/23 10:49	03/10/23 05:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	25	S1-	70 - 130			03/09/23 10:49	03/10/23 05:18	1
o-Terphenyl	23	S1-	70 - 130			03/09/23 10:49	03/10/23 05:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	41.3	4.97	mg/Kg			03/09/23 16:37	1	

Lab Sample ID: 880-25699-30

Client: TRC Solutions, Inc. Job ID: 880-25699-1

Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-4 @ 12' Date Collected: 03/08/23 14:50

37.8 F1

Date Received: 03/09/23 08:18 Sample Depth: 12'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	3.80		0.503	mg/Kg		03/16/23 12:22	03/18/23 04:40	250
Toluene	44.2		0.503	mg/Kg		03/16/23 12:22	03/18/23 04:40	250
Ethylbenzene	26.3		0.503	mg/Kg		03/16/23 12:22	03/18/23 04:40	250
m-Xylene & p-Xylene	32.4		1.01	mg/Kg		03/16/23 12:22	03/18/23 04:40	250
o-Xylene	12.7		0.503	mg/Kg		03/16/23 12:22	03/18/23 04:40	250
Xylenes, Total	45.1		1.01	mg/Kg		03/16/23 12:22	03/18/23 04:40	250
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	87		70 - 130			03/16/23 12:22	03/18/23 04:40	250
1,4-Difluorobenzene (Surr)	80		70 - 130			03/16/23 12:22	03/18/23 04:40	250
Method: TAL SOP Total BTE	X - Total BTE	X Calcula	tion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	119		1.01	mg/Kg			03/19/23 16:17	-
Method: SW846 8015 NM - I Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	1690		49.9	mg/Kg			03/10/23 18:04	
Method: SW846 8015B NM -	· Diesel Range	e Organics	(DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	707		49.9	mg/Kg		03/09/23 10:49	03/10/23 05:40	
Diesel Range Organics (Over C10-C28)	875		49.9	mg/Kg		03/09/23 10:49	03/10/23 05:40	•
Oll Range Organics (Over C28-C36)	103		49.9	mg/Kg		03/09/23 10:49	03/10/23 05:40	
Surrogate	%Recovery		Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	27	S1-	70 - 130			03/09/23 10:49	03/10/23 05:40	
o-Terphenyl	25	S1-	70 - 130			03/09/23 10:49	03/10/23 05:40	
Method: EPA 300.0 - Anions	s, Ion Chroma	tography -	- Soluble					

4.99

mg/Kg

Eurofins Midland

03/09/23 16:42

Surrogate Summary

Job ID: 880-25699-1 Client: TRC Solutions, Inc. SDG: Hobbs Station Project/Site: HEP-Hobbs Station-TK5202

Method: 8021B - Volatile Organic Compounds (GC)

			Percent Surrogate Recovery (Acceptance	Lillius)
Lab Camula ID	Olicari Commis ID	BFB1 (70-130)	DFBZ1	
Lab Sample ID 880-25699-2	Client Sample ID	33 S1-	(70-130) 29 S1-	
880-25699-3	TT-1 @ 5' TT-1 @ 6'	33 S1- 73	5 S1-	
	•			
880-25699-4	TT-1 @ 7'	107	90	
880-25699-5	TT-1 @ 8'	124	107	
880-25699-6	TT-1 @ 9'	92	91	
880-25699-7	TT-1 @ 10'	80	75	
880-25699-8	TT-1 @ 10.5'	101	98	
880-25699-9	TT-1 @ 11'	121	108	
880-25699-10	TT-1 @ 11.5'	121	104	
880-25699-12	TT-2 @ 5'	100	91	
880-25699-13	TT-3 @ 4'	92	82	
880-25699-14	TT-3 @ 5'	103	91	
880-25699-15	TT-3 @ 6'	86	76	
880-25699-16	TT-3 @ 7'	90	74	
880-25699-17	TT-3 @ 8'	130	120	
880-25699-18	TT-3 @ 9'	97	87	
880-25699-19	TT-3 @ 10'	95	88	
880-25699-20	TT-3 @ 10.5'	97	86	
880-25699-22	TT-4 @ 5'	88	83	
880-25699-23	TT-4 @ 6'	91	85	
880-25699-24	TT-4 @ 7'	95	102	
880-25699-25	TT-4 @ 8'	125	106	
880-25699-26	TT-4 @ 9'	84	94	
880-25699-27	TT-4 @ 10'	89	76	
880-25699-27	TT-4 @ 10'	143 S1+	116	
880-25699-28	TT-4 @ 11'	94	85	
880-25699-29	TT-4 @ 11.5'	79	67 S1-	
880-25699-30	TT-4 @ 12'	87	80	
880-25710-A-1-E MS	Matrix Spike	107	95	
880-25710-A-1-F MSD	Matrix Spike Duplicate	106	102	
880-25714-A-1-A MS	Matrix Spike	102	96	
880-25714-A-1-B MSD	Matrix Spike Duplicate	102	99	
880-25738-A-1-I MS	Matrix Spike	107	98	
880-25738-A-1-J MSD	Matrix Spike Duplicate	109	99	
880-25738-A-3-F MS	Matrix Spike	109	94	
880-25738-A-3-G MSD	Matrix Spike Duplicate	115	82	
880-25766-A-1-F MS	Matrix Spike	137 S1+	76	
880-25766-A-1-G MSD	Matrix Spike Duplicate	124	94	
880-25777-A-1-A MS	Matrix Spike	84	85	
880-25777-A-1-B MSD	Matrix Spike Duplicate	99	88	
890-4222-A-1-C MS	Matrix Spike	116	108	
890-4222-A-1-D MSD	Matrix Spike Duplicate	112	103	
LCS 880-48205/1-A	Lab Control Sample	120	108	
LCS 880-48248/1-A	Lab Control Sample	107	100	
LCS 880-48308/1-A	Lab Control Sample	107	4 S1-	
LCS 880-48617/1-A	Lab Control Sample	113	99	
LCS 880-48750/1-A	Lab Control Sample	105	103	
LCS 880-48885/1-A LCS 880-48951/1-A	Lab Control Sample Lab Control Sample	133 S1+ 85	90	

Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

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

Matrix: Solid Prep Type: Total/NA

			Perc	ent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)	
LCSD 880-48205/2-A	Lab Control Sample Dup		109	
LCSD 880-48248/2-A	Lab Control Sample Dup	103	104	
LCSD 880-48308/2-A	Lab Control Sample Dup	106	100	
LCSD 880-48617/2-A	Lab Control Sample Dup	112	98	
LCSD 880-48750/2-A	Lab Control Sample Dup	107	103	
LCSD 880-48885/2-A	Lab Control Sample Dup	125	85	
LCSD 880-48951/2-A	Lab Control Sample Dup	83	109	
MB 880-48205/5-A	Method Blank	110	102	
MB 880-48248/5-A	Method Blank	92	89	
MB 880-48308/5-A	Method Blank	94	87	
MB 880-48309/5-A	Method Blank	103	100	
MB 880-48617/5-A	Method Blank	99	86	
MB 880-48740/5-A	Method Blank	69 S1-	91	
MB 880-48749/5-A	Method Blank	91	90	
MB 880-48750/5-A	Method Blank	95	88	
MB 880-48844/5-A	Method Blank	92	89	
MB 880-48885/5-A	Method Blank	74	84	
MB 880-48951/5-A	Method Blank	72	86	
Surrogate Legend BFB = 4-Bromofluorob	penzene (Surr)			
DFBZ = 1,4-Difluorobe	enzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recove	ery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	70-130)	
880-25699-2	TT-1 @ 5'	207 S1+	62 S1+	
880-25699-3	TT-1 @ 6'	174 S1+	121	
880-25699-4	TT-1 @ 7'	131 S1+	118	
880-25699-5	TT-1 @ 8'	91	103	
880-25699-6	TT-1 @ 9'	94	101	
880-25699-7	TT-1 @ 10'	97	104	
880-25699-8	TT-1 @ 10.5'	86	91	
880-25699-9	TT-1 @ 11'	106	110	
880-25699-10	TT-1 @ 11.5'	93	103	
880-25699-10 MS	TT-1 @ 11.5'	111	105	
880-25699-10 MSD	TT-1 @ 11.5'	115	115	
880-25699-12	TT-2 @ 5'	108	114	
880-25699-13	TT-3 @ 4'	112	114	
880-25699-14	TT-3 @ 5'	158 S1+	104	
880-25699-15	TT-3 @ 6'	207 S1+	74 S1+	
880-25699-16	TT-3 @ 7'	177 S1+	116	
880-25699-17	TT-3 @ 8'	110	115	
880-25699-18	TT-3 @ 9'	164 S1+	116	
880-25699-19	TT-3 @ 10'	105	117	
880-25699-20	TT-3 @ 10.5'	98	104	
880-25699-22	TT-4 @ 5'	149 S1+	111	
880-25699-23	TT-4 @ 6'	136 S1+	110	

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Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

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

Matrix: Solid Prep Type: Total/NA

			Perce	ent Surrogate Red
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25699-24	TT-4 @ 7'	26 S1-	23 S1-	
880-25699-25	TT-4 @ 8'	28 S1-	26 S1-	
880-25699-26	TT-4 @ 9'	27 S1-	24 S1-	
880-25699-27	TT-4 @ 10'	26 S1-	23 S1-	
880-25699-28	TT-4 @ 11'	26 S1-	23 S1-	
880-25699-29	TT-4 @ 11.5'	25 S1-	23 S1-	
880-25699-30	TT-4 @ 12'	27 S1-	25 S1-	
890-4232-A-1-C MS	Matrix Spike	107	102	
890-4232-A-1-D MSD	Matrix Spike Duplicate	110	102	
LCS 880-48193/2-A	Lab Control Sample	97	98	
LCS 880-48200/2-A	Lab Control Sample	92	97	
LCSD 880-48193/3-A	Lab Control Sample Dup	82	89	
LCSD 880-48200/3-A	Lab Control Sample Dup	99	108	
MB 880-48193/1-A	Method Blank	125	139 S1+	
MB 880-48200/1-A	Method Blank	136 S1+	155 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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Client: TRC Solutions, Inc. Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48205/5-A

Lab Sample ID: LCS 880-48205/1-A

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Method Blank

Prep Batch: 48205

Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/09/23 11:30	03/11/23 04:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/09/23 11:30	03/11/23 04:45	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110	70 - 130	03/09/23 11:30	03/11/23 04:45	1
1,4-Difluorobenzene (Surr)	102	70 - 130	03/09/23 11:30	03/11/23 04:45	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48205

Prep Type: Total/NA

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 70 - 130 0.100 0.07627 mg/Kg 76 Toluene 0.100 0.08361 mg/Kg 70 - 130 84 Ethylbenzene 0.100 0.08693 mg/Kg 87 70 - 130 0.200 m-Xylene & p-Xylene 0.1866 mg/Kg 93 70 - 130 o-Xylene 0.100 0.09372 mg/Kg 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: LCSD 880-48205/2-A **Client Sample ID: Lab Control Sample Dup**

Matrix: Solid

o-Xylene

Matrix: Solid

Analysis Batch: 48323

Analysis Batch: 48323							Prep E	Batch: 48205	
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08385		mg/Kg		84	70 - 130	9	35
Toluene	0.100	0.08105		mg/Kg		81	70 - 130	3	35
Ethylbenzene	0.100	0.08402		mg/Kg		84	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1821		mg/Kg		91	70 - 130	2	35

0.08954

mg/Kg

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 890-4222-A-1-C MS

Matrix: Solid

Analysis Batch: 48323

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

70 - 130

Prep Batch: 48205

35

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.100	0.05099	F1	mg/Kg		51	70 - 130	
Toluene	<0.00201	U F1	0.100	0.04796	F1	mg/Kg		48	70 - 130	

0.100

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

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

Lab Sample ID: 890-4222-A-1-C MS

Lab Sample ID: 890-4222-A-1-D MSD

Matrix: Solid

Analysis Batch: 48323

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48205

Spike MS MS %Rec Sample Sample Result Qualifier Added Result Qualifier Unit D %Rec Limits Ethylbenzene <0.00201 U F1 0.100 0.04950 F1 mg/Kg 49 70 - 130 m-Xylene & p-Xylene <0.00402 UF1 0.201 0.1051 F1 mg/Kg 52 70 - 130 o-Xylene <0.00201 UF1 0.100 0.05308 F1 mg/Kg 52 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48205

Matrix: Solid

Analysis Batch: 48323

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0996	0.05009	F1	mg/Kg		50	70 - 130	2	35
Toluene	<0.00201	U F1	0.0996	0.05159	F1	mg/Kg		52	70 - 130	7	35
Ethylbenzene	<0.00201	U F1	0.0996	0.05362	F1	mg/Kg		54	70 - 130	8	35
m-Xylene & p-Xylene	<0.00402	U F1	0.199	0.1113	F1	mg/Kg		56	70 - 130	6	35
o-Xylene	<0.00201	U F1	0.0996	0.05556	F1	mg/Kg		55	70 - 130	5	35

MSD MSD

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

Lab Sample ID: MB 880-48248/5-A

Matrix: Solid

Analysis Batch: 48914

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

Prep Batch: 48248

•	MB MB					•	
Analyte Re	sult Qualifie	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene <0.00	0200 U	0.00200	mg/Kg		03/09/23 15:49	03/20/23 02:34	1
Toluene <0.00)200 U	0.00200	mg/Kg		03/09/23 15:49	03/20/23 02:34	1
Ethylbenzene <0.00)200 U	0.00200	mg/Kg		03/09/23 15:49	03/20/23 02:34	1
m-Xylene & p-Xylene <0.00	0400 U	0.00400	mg/Kg		03/09/23 15:49	03/20/23 02:34	1
o-Xylene <0.00)200 U	0.00200	mg/Kg		03/09/23 15:49	03/20/23 02:34	1
Xylenes, Total <0.00	0400 U	0.00400	mg/Kg		03/09/23 15:49	03/20/23 02:34	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	03/09/23 15:49 03/20/23 02:34	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/09/23 15:49 03/20/23 02:34	1

Lab Sample ID: LCS 880-48248/1-A

Matrix: Solid

Analysis Batch: 48914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
D D. (- L 400.40

Prep Batch: 48248

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08937		mg/Kg		89	70 - 130	
Toluene	0.100	0.09225		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09171		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1896		mg/Kg		95	70 - 130	

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

Lab Sample ID: LCS 880-48248/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Prep Batch: 48248 **Analysis Batch: 48914** LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0 100 0.09724 mg/Kg 97 70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-48248/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA Analysis Batch: 48914** Prep Batch: 48248

LCSD LCSD Spike %Rec **RPD** Added Result Qualifier Unit D %Rec Limits **RPD** Limit Analyte Benzene 0.100 0.1039 mg/Kg 104 70 - 130 15 35 Toluene 0.100 0.1046 mg/Kg 105 70 - 130 13 35 Ethylbenzene 0.100 0.09990 mg/Kg 100 70 - 130 35 9 m-Xylene & p-Xylene 0.200 0.2027 101 70 - 130 35 mg/Kg

0.1030

mg/Kg

103

70 - 130

Prep Batch: 48248

0.100

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 103 70 - 130 1,4-Difluorobenzene (Surr) 104 70 - 130

Lab Sample ID: 880-25714-A-1-A MS **Client Sample ID: Matrix Spike Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48914

o-Xylene

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier D %Rec Limits **Analyte** Unit Benzene <0.00198 U F1 0.0998 0.04242 F1 70 - 130 mg/Kg 43 0.0998 38 Toluene <0.00198 U F1 0.03901 F1 mg/Kg 70 - 130Ethylbenzene <0.00198 UF1 0.0998 0.03302 F1 mg/Kg 33 70 - 130 m-Xylene & p-Xylene <0.00396 UF1 0.200 0.06530 F1 mg/Kg 33 70 - 130 o-Xylene <0.00198 UF1 0.0998 0.03473 F1 mg/Kg 34 70 - 130

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

Lab Sample ID: 880-25714-A-1-B MSD **Client Sample ID: Matrix Spike Duplicate** Matrix: Solid **Prep Type: Total/NA**

Analysis Batch: 48914									Prep E	Batch: 4	18248
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U F1	0.100	0.05015	F1	mg/Kg		50	70 - 130	17	35
Toluene	<0.00198	U F1	0.100	0.03952	F1	mg/Kg		38	70 - 130	1	35
Ethylbenzene	<0.00198	U F1	0.100	0.03223	F1	mg/Kg		32	70 - 130	2	35
m-Xylene & p-Xylene	<0.00396	U F1	0.201	0.06347	F1	mg/Kg		32	70 - 130	3	35
o-Xylene	<0.00198	U F1	0.100	0.03404	F1	mg/Kg		34	70 - 130	2	35

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35

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

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

Lab Sample ID: 880-25714-A-1-B MSD

Matrix: Solid

Analysis Batch: 48914

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48248

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-48308/5-A **Client Sample ID: Method Blank**

Matrix: Solid

Analysis Batch: 48814

Prep Type: Total/NA

mg/Kg

Prep Batch: 48308

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 03/10/23 11:06 03/18/23 13:13 03/10/23 11:06 03/18/23 13:13 Toluene <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 03/10/23 11:06 03/18/23 13:13 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 03/10/23 11:06 03/18/23 13:13 o-Xylene <0.00200 U 0.00200 mg/Kg 03/10/23 11:06 03/18/23 13:13 Xylenes, Total <0.00400 U 0.00400 mg/Kg 03/10/23 11:06 03/18/23 13:13

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared A	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	94		70 - 130	03/10/23 11:06 03/	18/23 13:13	1
l	1,4-Difluorobenzene (Surr)	87		70 - 130	03/10/23 11:06 03/	18/23 13:13	1

Lab Sample ID: LCS 880-48308/1-A

Matrix: Solid

Analysis Batch: 48814

Client Sample ID: Lab Control Sample

70 - 130

Prep Type: Total/NA Prep Batch: 48308

Spike LCS LCS %Rec **Analyte** Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08645 mg/Kg 86 70 - 130 Toluene 0.100 0.08890 mg/Kg 89 70 - 130 mg/Kg 70 - 130 Ethylbenzene 0.100 0.08721 87 m-Xylene & p-Xylene 0.200 0.1785 mg/Kg 89 70 - 130

0.09241

0.100

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	4	S1-	70 - 130

Lab Sample ID: LCSD 880-48308/2-A

Matrix: Solid

o-Xylene

Analysis Batch: 48814

Client Sample ID: Lab Control Sample Dup

92

Prep Type: Total/NA Prep Batch: 48308

	Spike	LCSD LCSD			%Rec		RPD
Analyte	Added	Result Qualifier	Unit I	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.08928	mg/Kg	89	70 - 130	3	35
Toluene	0.100	0.08895	mg/Kg	89	70 - 130	0	35
Ethylbenzene	0.100	0.08426	mg/Kg	84	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1717	mg/Kg	86	70 - 130	4	35
o-Xylene	0.100	0.08777	mg/Kg	88	70 - 130	5	35

LCSD LCSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 106 70 - 130

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

Lab Sample ID: LCSD 880-48308/2-A

Lab Sample ID: 880-25710-A-1-E MS

Lab Sample ID: 880-25710-A-1-F MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 48814

Analysis Batch: 48814

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 48308

LCSD LCSD

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

Client Sample ID: Matrix Spike

Prep Batch: 48308

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 48308

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits **Analyte** Unit D %Rec <0.00198 UF1 0.07008 F1 Benzene 0.100 mg/Kg 69 70 - 130 Toluene <0.00198 U F1 0.100 0.05452 F1 mg/Kg 54 70 - 130 Ethylbenzene <0.00198 UF1 0.100 0.05560 F1 mg/Kg 55 70 - 130m-Xylene & p-Xylene <0.00396 UF1 0.201 0.1064 F1 53 70 - 130mg/Kg o-Xylene <0.00198 U 0.100 0.07157 mg/Kg 71 70 - 130

MS MS

Surrogate	%Recovery Qual	ifier Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	95	70 - 130

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48814

MSD MSD %Rec **RPD** Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene <0.00198 UF1 0.0990 0.08029 mg/Kg 80 70 - 130 14 35 Toluene 0.0990 68 35 <0.00198 UF1 0.06705 F1 mg/Kg 70 _ 130 21 Ethylbenzene <0.00198 UF1 0.0990 0.06493 F1 mg/Kg 66 70 - 130 15 35 m-Xylene & p-Xylene <0.00396 U F1 0.198 0.1261 F1 64 70 - 130 17 35 mg/Kg o-Xylene <0.00198 U 0.0990 0.07822 mg/Kg 79 70 - 13035

MSD MSD

Surrogate	%Recovery Qualifi	ier Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: MB 880-48309/5-A

Matrix: Solid

Analysis Batch: 48323

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

Prep Batch: 48309

MB MB Dil Fac Analyte Result Qualifier RL Unit Prepared Analyzed Benzene <0.00200 U 0.00200 mg/Kg 03/10/23 11:09 03/10/23 17:11 Toluene 03/10/23 11:09 03/10/23 17:11 <0.00200 U 0.00200 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 03/10/23 11:09 03/10/23 17:11 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 03/10/23 11:09 03/10/23 17:11 o-Xylene <0.00200 U 0.00200 mg/Kg 03/10/23 11:09 03/10/23 17:11 Xylenes, Total <0.00400 U 0.00400 mg/Kg 03/10/23 11:09 03/10/23 17:11

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/10/23 11:09	03/10/23 17:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130	03/10/23 11:09	03/10/23 17:11	1

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

Lab Sample ID: MB 880-48617/5-A

Lab Sample ID: LCS 880-48617/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 48814

Analysis Batch: 48814

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48617

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/14/23 14:47	03/19/23 00:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/14/23 14:47	03/19/23 00:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/14/23 14:47	03/19/23 00:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/14/23 14:47	03/19/23 00:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/14/23 14:47	03/19/23 00:48	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/14/23 14:47	03/19/23 00:48	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	99		70 - 130	03/14/23 14:47	03/19/23 00:48
1,4-Difluorobenzene (Surr)	86		70 - 130	03/14/23 14:47	03/19/23 00:48

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48617

Prep Type: Total/NA

0

35

35

35

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09224 mg/Kg 92 70 - 130 Toluene 0.100 70 - 130 0.09912 mg/Kg 99 Ethylbenzene 0.100 0.09653 97 70 - 130 mg/Kg 0.200 98 m-Xylene & p-Xylene 0.1965 mg/Kg 70 - 1300.100 0.09975 100 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Client Sample ID: Lab Control Sample Dup

97

99

101

70 - 130

70 - 130

70 - 130

Matrix: Solid

Analyte

Benzene

Toluene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 48814

Lab Sample ID: LCSD 880-48617/2-A

Prep Batch: 48617 Spike LCSD LCSD **RPD** %Rec Added Result Qualifier Unit %Rec Limits **RPD** Limit 0.100 0.08472 mg/Kg 85 70 - 130 8 35 0.100 0.09759 mg/Kg 98 70 - 130 2 35

mg/Kg

mg/Kg

0.100 0.1006 o-Xylene mg/Kg LCSD LCSD

Qualifier Surrogate %Recovery Limits 4-Bromofluorobenzene (Surr) 112 70 - 130 1,4-Difluorobenzene (Surr) 98 70 - 130

Analysis Batch: 48814

Lab Sample ID: 880-25738-A-1-I MS **Client Sample ID: Matrix Spike Matrix: Solid Prep Type: Total/NA** Prep Batch: 48617

0.09669

0.1982

0.100

0.200

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene <0.00202 U 0.0998 0.07176 72 70 - 130 mg/Kg Toluene <0.00202 U 0.0998 0.07264 mg/Kg 73 70 - 130

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Dil Fac

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

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

Lab Sample ID: 880-25738-A-1-I MS

Lab Sample ID: 880-25738-A-1-J MSD

Matrix: Solid

Analysis Batch: 48814

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 48617

MS MS %Rec Sample Sample Spike Analyte **Result Qualifier** Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00202 U 0.0998 0.07011 mg/Kg 70 70 - 130 m-Xylene & p-Xylene <0.00403 U 0.200 0.1435 mg/Kg 72 70 - 130 o-Xylene <0.00202 U 0.0998 0.07339 73 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48814

Prep Type: Total/NA

Prep Batch: 48617

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene <0.00202 U 0.100 0.08442 mg/Kg 84 70 - 130 16 35 Toluene <0.00202 U 0.100 0.08503 85 70 - 130 16 35 mg/Kg 82 Ethylbenzene <0.00202 U 0.100 0.08223 mg/Kg 70 - 130 16 35 m-Xylene & p-Xylene <0.00403 U 0.201 0.1666 mg/Kg 83 70 - 130 15 35 <0.00202 U 0.100 0.08626 85 o-Xylene mg/Kg 70 - 13016

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-48740/5-A

Matrix: Solid

Analysis Batch: 48800

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

Prep Batch: 48740

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:01	03/18/23 08:27	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:01	03/18/23 08:27	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:01	03/18/23 08:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/16/23 12:01	03/18/23 08:27	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:01	03/18/23 08:27	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/16/23 12:01	03/18/23 08:27	1

MB MB

MAD MAD

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130	03/16/23 12:01	03/18/23 08:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/16/23 12:01 (03/18/23 08:27	1

Lab Sample ID: MB 880-48749/5-A

Matrix: Solid

Analysis Batch: 48814

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

Prep Batch: 48749

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:20	03/17/23 13:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/16/23 12:20	03/17/23 13:32	1

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

мв мв

Lab Sample ID: MB 880-48749/5-A **Matrix: Solid**

Analysis Batch: 48814

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 48749

Analyte	Result	Qualifier	RL	Unit D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg	03/16/23 12:20	03/17/23 13:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg	03/16/23 12:20	03/17/23 13:32	1
	MB	MB					
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac

4-Bromofluorobenzene (Surr) 70 - 130 91 1,4-Difluorobenzene (Surr) 90 70 - 130

Lab Sample ID: MB 880-48750/5-A **Matrix: Solid**

Analysis Batch: 48814

Client Sample ID: Method Blank

03/16/23 12:20 03/17/23 13:32

03/16/23 12:20 03/17/23 13:32

Prep Type: Total/NA Prep Batch: 48750

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:22	03/18/23 01:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:22	03/18/23 01:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:22	03/18/23 01:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/16/23 12:22	03/18/23 01:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/16/23 12:22	03/18/23 01:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/16/23 12:22	03/18/23 01:07	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95	70 - 130	03/16/23 12:22	03/18/23 01:07	1
1,4-Difluorobenzene (Surr)	88	70 - 130	03/16/23 12:22	03/18/23 01:07	1

LCS LCS

Result Qualifier Unit

Lab Sample ID: LCS 880-48750/1-A

Matrix: Solid

Analysis Batch: 48814

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

Prep Batch: 48750 %Rec Limits D %Rec

						_
Benzene	0.100	0.09818	mg/Kg	98	70 - 130	
Toluene	0.100	0.09577	mg/Kg	96	70 - 130	
Ethylbenzene	0.100	0.09030	mg/Kg	90	70 - 130	
m-Xylene & p-Xylene	0.200	0.1837	mg/Kg	92	70 - 130	
o-Xylene	0.100	0.09359	mg/Kg	94	70 - 130	

Spike

Added

LCS LCS Surrogate %Recovery Qualifier Limits

4-Bromofluorobenzene (Surr) 70 - 130 105 1,4-Difluorobenzene (Surr) 103 70 - 130

Lab Sample ID: LCSD 880-48750/2-A

Client Sample	ID:	Lab	Coi	ntrol	Sample	Dup
			_	_		

Prep Type: Total/NA

Analysis Batch: 48814							Prep E	atch: 4	18750
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09542		mg/Kg		95	70 - 130	3	35
Toluene	0.100	0.09418		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.09008		mg/Kg		90	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1828		mg/Kg		91	70 - 130	0	35
o-Xylene	0.100	0.09319		mg/Kg		93	70 - 130	0	35

Eurofins Midland

Analyte

Matrix: Solid

Released to Imaging: 12/14/2023 3:22:23 PM

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Matrix: Solid

Analysis Batch: 48814

Lab Sample ID: 880-25777-A-1-A MS **Client Sample ID: Matrix Spike**

Prep Type: Total/NA Prep Batch: 48750

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.0998	0.03377	F1	mg/Kg		34	70 - 130	
Toluene	< 0.00201	U F1	0.0998	0.03745	F1	mg/Kg		38	70 - 130	
Ethylbenzene	< 0.00201	U F1	0.0998	0.02988	F1	mg/Kg		30	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.05821	F1	mg/Kg		29	70 - 130	
o-Xylene	<0.00201	U F1	0.0998	0.03159	F1	mg/Kg		32	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-25777-A-1-B MSD

Matrix: Solid

Analysis Batch: 48814

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48750

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.0990	0.03954	F1	mg/Kg		40	70 - 130	16	35
Toluene	<0.00201	U F1	0.0990	0.04026	F1	mg/Kg		41	70 - 130	7	35
Ethylbenzene	< 0.00201	U F1	0.0990	0.03408	F1	mg/Kg		34	70 - 130	13	35
m-Xylene & p-Xylene	<0.00402	U F1	0.198	0.06759	F1	mg/Kg		34	70 - 130	15	35
o-Xylene	<0.00201	U F1	0.0990	0.03588	F1	mg/Kg		36	70 - 130	13	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1 4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: MB 880-48844/5-A

Matrix: Solid

Analysis Batch: 48914

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

Prep Batch: 48844

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/17/23 13:16	03/19/23 15:00	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/17/23 13:16	03/19/23 15:00	1

MB MB

MD MD

ı	Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	92		70 - 130	03/17/23 13:16 03/19/23 15:00	1
l	1,4-Difluorobenzene (Surr)	89		70 - 130	03/17/23 13:16 03/19/23 15:00	1

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

Lab Sample ID: MB 880-48885/5-A

Lab Sample ID: LCS 880-48885/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 48800

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

Prep Batch: 48885

	МВ	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/18/23 09:54	03/18/23 19:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/18/23 09:54	03/18/23 19:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/18/23 09:54	03/18/23 19:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/18/23 09:54	03/18/23 19:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/18/23 09:54	03/18/23 19:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/18/23 09:54	03/18/23 19:13	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74	70 - 130	03/18/23 09:54	03/18/23 19:13	1
1,4-Difluorobenzene (Surr)	84	70 - 130	03/18/23 09:54	03/18/23 19:13	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48885

Prep Batch: 48885

Analysis Batch: 48800 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 70 - 130 0.100 0.07127 mg/Kg 71 Toluene 0.100 mg/Kg 70 - 130 0.08387 84 Ethylbenzene 0.100 0.09794 mg/Kg 98 70 - 130 m-Xylene & p-Xylene 0.200 0.2189 mg/Kg 109 70 - 130 o-Xylene 0.100 0.1125 mg/Kg 113 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-48885/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 48800

Analyte Benzene Toluene										
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.06581	*_	mg/Kg		66	70 - 130	8	35	
Toluene	0.100	0.07424		mg/Kg		74	70 - 130	12	35	
Ethylbenzene	0.100	0.08215		mg/Kg		82	70 - 130	18	35	
m-Xylene & p-Xylene	0.200	0.1842		mg/Kg		92	70 - 130	17	35	
o-Xylene	0.100	0.09380		mg/Kg		94	70 - 130	18	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 880-25766-A-1-F MS

Analysis Batch: 48800										atch: 48885
-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U F1 *- F2	0.101	0.05128	F1	mg/Kg		51	70 - 130	
Toluene	<0.00199	U F1	0.101	0.06692	F1	mg/Kg		66	70 - 130	

Eurofins Midland

Client Sample ID: Matrix Spike

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

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

Lab Sample ID: 880-25766-A-1-F MS

Lab Sample ID: 880-25766-A-1-G MSD

Matrix: Solid

Analysis Batch: 48800

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 48885

Spike MS MS %Rec Sample Sample Result Qualifier Added Result Qualifier Unit D %Rec Limits Ethylbenzene <0.00199 U 0.101 0.08503 mg/Kg 84 70 - 130 m-Xylene & p-Xylene <0.00398 U 0.202 0.1877 mg/Kg 93 70 - 130 o-Xylene <0.00199 U 0.101 0.09415 mg/Kg 93 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	76		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48885

Matrix: Solid

Analysis Batch: 48800

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1 *- F2	0.0996	0.07589	F2	mg/Kg		76	70 - 130	39	35
Toluene	<0.00199	U F1	0.0996	0.08475		mg/Kg		85	70 - 130	24	35
Ethylbenzene	<0.00199	U	0.0996	0.09775		mg/Kg		98	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2176		mg/Kg		109	70 - 130	15	35
o-Xylene	<0.00199	U	0.0996	0.1098		mg/Kg		110	70 - 130	15	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: MB 880-48951/5-A

Matrix: Solid

Analysis Batch: 48949

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

Prep Batch: 48951

-	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/20/23 08:52	03/20/23 12:12	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared A	nalyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	03/20/23 08:52 03/2	0/23 12:12	1
1,4-Difluorobenzene (Surr)	86		70 - 130	03/20/23 08:52 03/20	0/23 12:12	1

Lab Sample ID: LCS 880-48951/1-A

Matrix: Solid

Analysis Batch: 48949

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 48951

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1036		mg/Kg		104	70 - 130	
Toluene	0.100	0.1035		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.09340		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

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

Lab Sample ID: LCS 880-48951/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Prep Type: Total/NA Prep Batch: 48951 **Analysis Batch: 48949** LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0 100 0.09432 mg/Kg 94 70 - 130

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 85 70 - 130 1,4-Difluorobenzene (Surr) 91 70 - 130

Lab Sample ID: LCSD 880-48951/2-A **Client Sample ID: Lab Control Sample Dup** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 48949 Prep Batch: 48951 Spike LCSD LCSD %Rec **RPD** RPD Added Result Qualifier Limits Analyte Unit D %Rec

Limit Benzene 0.100 0.1160 mg/Kg 116 70 - 130 11 35 Toluene 0.100 0.09918 mg/Kg 99 70 - 130 35 Ethylbenzene 0.100 0.08763 mg/Kg 88 70 - 130 6 35 m-Xylene & p-Xylene 0.200 91 70 - 130 35 0.1829 mg/Kg o-Xylene 0.100 0.08907 mg/Kg 89 70 - 130 6 35

LCSD LCSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 83 70 - 130 1,4-Difluorobenzene (Surr) 109 70 - 130

Lab Sample ID: 880-25738-A-3-F MS **Client Sample ID: Matrix Spike** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 48949

	Sample	Sample	Spike	IVIS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0998	0.08500		mg/Kg		85	70 - 130	
Toluene	<0.00198	U	0.0998	0.08669		mg/Kg		87	70 - 130	
Ethylbenzene	<0.00198	U	0.0998	0.08637		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1844		mg/Kg		92	70 - 130	
o-Xylene	< 0.00198	U	0.0998	0.08950		mg/Kg		89	70 - 130	

MS MS %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 70 - 130

Lab Sample ID: 880-25738-A-3-G MSD **Client Sample ID: Matrix Spike Duplicate** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 48949 Prep Batch: 48951

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.09692		mg/Kg		97	70 - 130	13	35
Toluene	<0.00198	U	0.100	0.09739		mg/Kg		97	70 - 130	12	35
Ethylbenzene	<0.00198	U	0.100	0.09262		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	< 0.00396	U	0.201	0.2046		mg/Kg		102	70 - 130	10	35
o-Xylene	<0.00198	U	0.100	0.1048		mg/Kg		104	70 - 130	16	35

Eurofins Midland

Prep Batch: 48951

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Limits

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

Lab Sample ID: 880-25738-A-3-G MSD

Matrix: Solid

Analysis Batch: 48949

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48951

MSD MSD %Recovery Qualifier Surrogate

4-Bromofluorobenzene (Surr) 115 70 - 130 1,4-Difluorobenzene (Surr) 82 70 - 130

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

Lab Sample ID: MB 880-48193/1-A

Matrix: Solid

Analysis Batch: 48171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48193

MB MB

Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac Gasoline Range Organics 03/09/23 10:13 03/09/23 20:42 <50.0 U 50.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 03/09/23 10:13 03/09/23 20:42 C10-C28) mg/Kg Oll Range Organics (Over C28-C36) <50.0 U 50.0 03/09/23 10:13 03/09/23 20:42

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130	03/09/23 10:13	03/09/23 20:42	1
o-Terphenyl	139	S1+	70 - 130	03/09/23 10:13	03/09/23 20:42	1

Lab Sample ID: LCS 880-48193/2-A

Matrix: Solid

Analysis Batch: 48171

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

Prep Batch: 48193

LCS LCS %Rec Spike Added Result Qualifier Limits Analyte Unit D %Rec Gasoline Range Organics 1000 915.6 mg/Kg 92 70 - 130 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1027 mg/Kg 103 70 - 130 C10-C28)

LCS LCS

	200 200					
Surrogate	%Recovery Qualifier	Limits				
1-Chlorooctane	97	70 - 130				
o-Terphenyl	98	70 - 130				

Lab Sample ID: LCSD 880-48193/3-A

Matrix: Solid

Analysis Batch: 48171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 48193

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 833.0 mg/Kg 83 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 897.8 mg/Kg 90 70 - 130 13 20

C10-C28)

LCSD LCSD

Surrogate	%Recovery Quali	ifier Limits
1-Chlorooctane	82	70 - 130
o-Terphenyl	89	70 - 130

Eurofins Midland

Released to Imaging: 12/14/2023 3:22:23 PM

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

Lab Sample ID: 880-25699-10 MS

Matrix: Solid

Analysis Batch: 48171

Client	Sample	ID:	TT-1	@ 1	1.5

Drop Type: Total/NA

		Prep Type. Total/NA
		Prep Batch: 48193
		%Rec
n	%Poc	l imite

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit Limits Gasoline Range Organics <49.9 U 998 1041 mg/Kg 103 70 - 130 (GRO)-C6-C10 998 Diesel Range Organics (Over <49.9 U 983.4 mg/Kg 99 70 - 130C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	105		70 - 130

Client Sample ID: TT-1 @ 11.5'

Prep Type: Total/NA

Prep Batch: 48193

Matrix: Solid Analysis Batch: 48171 Sample Sample %Rec Spike MSD MSD **RPD** Analyte **Result Qualifier** Added Result Qualifier D %Rec Limits RPD Limit Unit Gasoline Range Organics <49.9 U 999 1147 113 70 - 130 10 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 1107 mg/Kg 111 70 - 130 12 20 C10-C28)

MSD MSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	115	70 - 130
o-Terphenyl	115	70 - 130

Lab Sample ID: MB 880-48200/1-A

Lab Sample ID: 880-25699-10 MSD

Matrix: Solid

Analysis Batch: 48173

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 48200

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	_	03/09/23 10:49	03/09/23 20:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/09/23 10:49	03/09/23 20:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/09/23 10:49	03/09/23 20:42	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	03/09/23 10:49	03/09/23 20:42	1
o-Terphenyl	155	S1+	70 - 130	03/09/23 10:49	03/09/23 20:42	1

Lab Sample ID: LCS 880-48200/2-A

Matrix: Solid

Analysis Batch: 48173

Client Sample ID:	Lab Control Sample
	Pren Type: Total/NA

Prep Batch: 48200

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	 1000	958.6		mg/Kg		96	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	980.1		mg/Kg		98	70 - 130	
C10-C28)								

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

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

Lab Sample ID: LCS 880-48200/2-A

Lab Sample ID: LCSD 880-48200/3-A

Lab Sample ID: 890-4232-A-1-C MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 48173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48200

LCS LCS

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 92 70 - 130 o-Terphenyl 97 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48200

Analysis Batch: 48173 LCSD LCSD %Rec **RPD** Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 1065 mg/Kg 106 70 - 130 10 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1062 mg/Kg 106 70 - 130 8 20

C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 99 70 - 130 70 - 130 o-Terphenyl 108

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48200

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits **Analyte** Unit D %Rec Ū 70 - 130 Gasoline Range Organics <49.9 999 975.3 mg/Kg 95 (GRO)-C6-C10 999 Diesel Range Organics (Over 168 1012 mg/Kg 85 70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 48173

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 107 o-Terphenyl 102 70 - 130

Lab Sample ID: 890-4232-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Spike

Added

Matrix: Solid

Analysis Batch: 48173

Prep Type: Total/NA Prep Batch: 48200

> %Rec **RPD** RPD Limits Limit %Rec 98 70 - 130 20

Gasoline Range Organics <49.9 U 998 1005 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 168 998 1027 mg/Kg 86 70 - 130 20

MSD MSD

Result Qualifier

Unit

C10-C28)

Analyte

MSD MSD

Sample Sample

Result Qualifier

Qualifier Limits Surrogate %Recovery 1-Chlorooctane 110 70 - 130 o-Terphenyl 102 70 - 130

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48181/1-A

Client Sample ID: Method Blank **Prep Type: Soluble**

Client Sample ID: TT-4 @ 12'

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 48224

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 5.00 03/09/23 13:56 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-48181/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48224

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte 250 90 - 110 Chloride 268.4 mg/Kg 107

Lab Sample ID: LCSD 880-48181/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48224

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD Analyte** Unit %Rec Limit Chloride 250 269.3 108 90 - 110 20 mg/Kg

Lab Sample ID: 880-25699-30 MS Client Sample ID: TT-4 @ 12' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48224

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 37.8 F1 328.5 F1 Chloride 250 mg/Kg 116 90 - 110

Lab Sample ID: 880-25699-30 MSD

Matrix: Solid

Analysis Batch: 48224

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Limit Chloride 37.8 F1 250 326.0 F1 115 mg/Kg 90 - 110

Lab Sample ID: MB 880-48183/1-A

Matrix: Solid

Analysis Batch: 48264

MB MB

Result Qualifier Analyte RL Unit Dil Fac Prepared Analyzed 5.00 03/10/23 09:38 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-48183/2-A

Matrix: Solid

Analysis Batch: 48264

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 250 255.1 mg/Kg 102 90 - 110

Lab Sample ID: LCSD 880-48183/3-A

Matrix: Solid

Released to Imaging: 12/14/2023 3:22:23 PM

Analysis Batch: 48264

Spike LCSD LCSD %Rec **RPD** Added **RPD** Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 250 255.3 mg/Kg 102 90 - 110 20

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25699-2 MS Client Sample ID: TT-1 @ 5' **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48264 Sample Sample Spike MS MS

%Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 251 Chloride 66.5 F1 345.9 F1 mg/Kg 112 90 - 110

Lab Sample ID: 880-25699-2 MSD Client Sample ID: TT-1 @ 5' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48264

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 66.5 F1 251 90 - 110 Chloride 345.8 F1 mg/Kg 111 0

Lab Sample ID: 880-25699-13 MS Client Sample ID: TT-3 @ 4' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48264

Sample Sample Spike MS MS %Rec **Analyte** Result Qualifier Added Result Qualifier Limits Unit %Rec Chloride 78.2 F1 248 359.8 F1 mg/Kg

Lab Sample ID: 880-25699-13 MSD Client Sample ID: TT-3 @ 4' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48264

Spike MSD MSD %Rec **RPD** Sample Sample Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride 78.2 F1 248 359.4 F1 mg/Kg 114 90 - 110

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1 SDG: Hobbs Station

GC VOA

Prep Batch: 48205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Total/NA	Solid	5035	
880-25699-5	TT-1 @ 8'	Total/NA	Solid	5035	
880-25699-6	TT-1 @ 9'	Total/NA	Solid	5035	
880-25699-7	TT-1 @ 10'	Total/NA	Solid	5035	
880-25699-8	TT-1 @ 10.5'	Total/NA	Solid	5035	
880-25699-9	TT-1 @ 11'	Total/NA	Solid	5035	
880-25699-10	TT-1 @ 11.5'	Total/NA	Solid	5035	
880-25699-12	TT-2 @ 5'	Total/NA	Solid	5035	
880-25699-20	TT-3 @ 10.5'	Total/NA	Solid	5035	
MB 880-48205/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48205/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48205/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4222-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4222-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-24	TT-4 @ 7'	Total/NA	Solid	5035	
880-25699-25	TT-4 @ 8'	Total/NA	Solid	5035	
880-25699-26	TT-4 @ 9'	Total/NA	Solid	5035	
MB 880-48248/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48248/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48248/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25714-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-25714-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-3	TT-1 @ 6'	Total/NA	Solid	5035	
880-25699-4	TT-1 @ 7'	Total/NA	Solid	5035	
880-25699-13	TT-3 @ 4'	Total/NA	Solid	5035	
880-25699-14	TT-3 @ 5'	Total/NA	Solid	5035	
880-25699-15	TT-3 @ 6'	Total/NA	Solid	5035	
880-25699-16	TT-3 @ 7'	Total/NA	Solid	5035	
880-25699-17	TT-3 @ 8'	Total/NA	Solid	5035	
880-25699-18	TT-3 @ 9'	Total/NA	Solid	5035	
MB 880-48308/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48308/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48308/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25710-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-25710-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 48309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48309/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 48323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-5	TT-1 @ 8'	Total/NA	Solid	8021B	48205
880-25699-6	TT-1 @ 9'	Total/NA	Solid	8021B	48205
880-25699-7	TT-1 @ 10'	Total/NA	Solid	8021B	48205

QC Association Summary

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

GC VOA (Continued)

Analysis Batch: 48323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-8	TT-1 @ 10.5'	Total/NA	Solid	8021B	48205
880-25699-9	TT-1 @ 11'	Total/NA	Solid	8021B	48205
880-25699-10	TT-1 @ 11.5'	Total/NA	Solid	8021B	48205
880-25699-12	TT-2 @ 5'	Total/NA	Solid	8021B	48205
880-25699-20	TT-3 @ 10.5'	Total/NA	Solid	8021B	48205
MB 880-48205/5-A	Method Blank	Total/NA	Solid	8021B	48205
MB 880-48309/5-A	Method Blank	Total/NA	Solid	8021B	48309
LCS 880-48205/1-A	Lab Control Sample	Total/NA	Solid	8021B	48205
LCSD 880-48205/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48205
890-4222-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	48205
890-4222-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48205

Analysis Batch: 48555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Total/NA	Solid	Total BTEX	
880-25699-3	TT-1 @ 6'	Total/NA	Solid	Total BTEX	
880-25699-4	TT-1 @ 7'	Total/NA	Solid	Total BTEX	
880-25699-5	TT-1 @ 8'	Total/NA	Solid	Total BTEX	
880-25699-6	TT-1 @ 9'	Total/NA	Solid	Total BTEX	
880-25699-7	TT-1 @ 10'	Total/NA	Solid	Total BTEX	
880-25699-8	TT-1 @ 10.5'	Total/NA	Solid	Total BTEX	
880-25699-9	TT-1 @ 11'	Total/NA	Solid	Total BTEX	
880-25699-10	TT-1 @ 11.5'	Total/NA	Solid	Total BTEX	
880-25699-12	TT-2 @ 5'	Total/NA	Solid	Total BTEX	
880-25699-13	TT-3 @ 4'	Total/NA	Solid	Total BTEX	
880-25699-14	TT-3 @ 5'	Total/NA	Solid	Total BTEX	
880-25699-15	TT-3 @ 6'	Total/NA	Solid	Total BTEX	
880-25699-16	TT-3 @ 7'	Total/NA	Solid	Total BTEX	
880-25699-17	TT-3 @ 8'	Total/NA	Solid	Total BTEX	
880-25699-18	TT-3 @ 9'	Total/NA	Solid	Total BTEX	
880-25699-19	TT-3 @ 10'	Total/NA	Solid	Total BTEX	
880-25699-20	TT-3 @ 10.5'	Total/NA	Solid	Total BTEX	
880-25699-22	TT-4 @ 5'	Total/NA	Solid	Total BTEX	
880-25699-23	TT-4 @ 6'	Total/NA	Solid	Total BTEX	
880-25699-24	TT-4 @ 7'	Total/NA	Solid	Total BTEX	
880-25699-25	TT-4 @ 8'	Total/NA	Solid	Total BTEX	
880-25699-26	TT-4 @ 9'	Total/NA	Solid	Total BTEX	
880-25699-27	TT-4 @ 10'	Total/NA	Solid	Total BTEX	
880-25699-28	TT-4 @ 11'	Total/NA	Solid	Total BTEX	
880-25699-29	TT-4 @ 11.5'	Total/NA	Solid	Total BTEX	
880-25699-30	TT-4 @ 12'	Total/NA	Solid	Total BTEX	

Prep Batch: 48617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-19	TT-3 @ 10'	Total/NA	Solid	5035	
880-25699-22	TT-4 @ 5'	Total/NA	Solid	5035	
880-25699-23	TT-4 @ 6'	Total/NA	Solid	5035	
880-25699-27	TT-4 @ 10'	Total/NA	Solid	5035	
880-25699-28	TT-4 @ 11'	Total/NA	Solid	5035	
MB 880-48617/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48617/1-A	Lab Control Sample	Total/NA	Solid	5035	

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

GC VOA (Continued)

Prep Batch: 48617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
LCSD 880-48617/2-A	Lab Control Sample Dup	Total/NA	Solid	5035
880-25738-A-1-I MS	Matrix Spike	Total/NA	Solid	5035
880-25738-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	5035

Prep Batch: 48740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48740/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48749/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-29	TT-4 @ 11.5'	Total/NA	Solid	5035	
880-25699-30	TT-4 @ 12'	Total/NA	Solid	5035	
MB 880-48750/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48750/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48750/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25777-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-25777-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48740/5-A	Method Blank	Total/NA	Solid	8021B	48740
MB 880-48885/5-A	Method Blank	Total/NA	Solid	8021B	48885
LCS 880-48885/1-A	Lab Control Sample	Total/NA	Solid	8021B	48885
LCSD 880-48885/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48885
880-25766-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	48885
880-25766-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48885

Analysis Batch: 48814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Total/NA	Solid	8021B	4820
880-25699-3	TT-1 @ 6'	Total/NA	Solid	8021B	48308
880-25699-4	TT-1 @ 7'	Total/NA	Solid	8021B	48308
880-25699-13	TT-3 @ 4'	Total/NA	Solid	8021B	48308
880-25699-14	TT-3 @ 5'	Total/NA	Solid	8021B	48308
880-25699-15	TT-3 @ 6'	Total/NA	Solid	8021B	48308
880-25699-16	TT-3 @ 7'	Total/NA	Solid	8021B	48308
880-25699-17	TT-3 @ 8'	Total/NA	Solid	8021B	48308
880-25699-18	TT-3 @ 9'	Total/NA	Solid	8021B	48308
880-25699-19	TT-3 @ 10'	Total/NA	Solid	8021B	48617
880-25699-22	TT-4 @ 5'	Total/NA	Solid	8021B	48617
880-25699-23	TT-4 @ 6'	Total/NA	Solid	8021B	48617
880-25699-27	TT-4 @ 10'	Total/NA	Solid	8021B	4861
880-25699-28	TT-4 @ 11'	Total/NA	Solid	8021B	48617
880-25699-29	TT-4 @ 11.5'	Total/NA	Solid	8021B	48750
880-25699-30	TT-4 @ 12'	Total/NA	Solid	8021B	48750
MB 880-48308/5-A	Method Blank	Total/NA	Solid	8021B	48308
MB 880-48617/5-A	Method Blank	Total/NA	Solid	8021B	48617

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

GC VOA (Continued)

Analysis Batch: 48814 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48749/5-A	Method Blank	Total/NA	Solid	8021B	48749
MB 880-48750/5-A	Method Blank	Total/NA	Solid	8021B	48750
LCS 880-48308/1-A	Lab Control Sample	Total/NA	Solid	8021B	48308
LCS 880-48617/1-A	Lab Control Sample	Total/NA	Solid	8021B	48617
LCS 880-48750/1-A	Lab Control Sample	Total/NA	Solid	8021B	48750
LCSD 880-48308/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48308
LCSD 880-48617/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48617
LCSD 880-48750/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48750
880-25710-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	48308
880-25710-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48308
880-25738-A-1-I MS	Matrix Spike	Total/NA	Solid	8021B	48617
880-25738-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48617
880-25777-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	48750
880-25777-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48750

Prep Batch: 48844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48844/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48885/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48885/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48885/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25766-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25766-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-24	TT-4 @ 7'	Total/NA	Solid	8021B	48248
880-25699-25	TT-4 @ 8'	Total/NA	Solid	8021B	48248
880-25699-26	TT-4 @ 9'	Total/NA	Solid	8021B	48248
MB 880-48248/5-A	Method Blank	Total/NA	Solid	8021B	48248
MB 880-48844/5-A	Method Blank	Total/NA	Solid	8021B	48844
LCS 880-48248/1-A	Lab Control Sample	Total/NA	Solid	8021B	48248
LCSD 880-48248/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48248
880-25714-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	48248
880-25714-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48248

Analysis Batch: 48949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-27	TT-4 @ 10'	Total/NA	Solid	8021B	48951
MB 880-48951/5-A	Method Blank	Total/NA	Solid	8021B	48951
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	8021B	48951
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48951
880-25738-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	48951
880-25738-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48951
Drop Potoby 49054					

Prep Batch: 48951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-27	TT-4 @ 10'	Total/NA	Solid	5035	

Client: TRC Solutions, Inc. Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1 SDG: Hobbs Station

GC VOA (Continued)

Prep Batch: 48951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25738-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25738-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 48171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Total/NA	Solid	8015B NM	48193
880-25699-3	TT-1 @ 6'	Total/NA	Solid	8015B NM	48193
880-25699-4	TT-1 @ 7'	Total/NA	Solid	8015B NM	48193
880-25699-5	TT-1 @ 8'	Total/NA	Solid	8015B NM	48193
880-25699-6	TT-1 @ 9'	Total/NA	Solid	8015B NM	48193
880-25699-7	TT-1 @ 10'	Total/NA	Solid	8015B NM	48193
880-25699-8	TT-1 @ 10.5'	Total/NA	Solid	8015B NM	48193
880-25699-9	TT-1 @ 11'	Total/NA	Solid	8015B NM	48193
880-25699-10	TT-1 @ 11.5'	Total/NA	Solid	8015B NM	48193
880-25699-12	TT-2 @ 5'	Total/NA	Solid	8015B NM	48193
880-25699-13	TT-3 @ 4'	Total/NA	Solid	8015B NM	48193
880-25699-14	TT-3 @ 5'	Total/NA	Solid	8015B NM	48193
880-25699-15	TT-3 @ 6'	Total/NA	Solid	8015B NM	48193
880-25699-16	TT-3 @ 7'	Total/NA	Solid	8015B NM	48193
880-25699-17	TT-3 @ 8'	Total/NA	Solid	8015B NM	48193
880-25699-18	TT-3 @ 9'	Total/NA	Solid	8015B NM	48193
880-25699-19	TT-3 @ 10'	Total/NA	Solid	8015B NM	48193
880-25699-20	TT-3 @ 10.5'	Total/NA	Solid	8015B NM	48193
880-25699-22	TT-4 @ 5'	Total/NA	Solid	8015B NM	48193
880-25699-23	TT-4 @ 6'	Total/NA	Solid	8015B NM	48193
MB 880-48193/1-A	Method Blank	Total/NA	Solid	8015B NM	48193
LCS 880-48193/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48193
LCSD 880-48193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48193
880-25699-10 MS	TT-1 @ 11.5'	Total/NA	Solid	8015B NM	48193
880-25699-10 MSD	TT-1 @ 11.5'	Total/NA	Solid	8015B NM	48193

Analysis Batch: 48173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-24	TT-4 @ 7'	Total/NA	Solid	8015B NM	48200
880-25699-25	TT-4 @ 8'	Total/NA	Solid	8015B NM	48200
880-25699-26	TT-4 @ 9'	Total/NA	Solid	8015B NM	48200
880-25699-27	TT-4 @ 10'	Total/NA	Solid	8015B NM	48200
880-25699-28	TT-4 @ 11'	Total/NA	Solid	8015B NM	48200
880-25699-29	TT-4 @ 11.5'	Total/NA	Solid	8015B NM	48200
880-25699-30	TT-4 @ 12'	Total/NA	Solid	8015B NM	48200
MB 880-48200/1-A	Method Blank	Total/NA	Solid	8015B NM	48200
LCS 880-48200/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48200
LCSD 880-48200/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48200
890-4232-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48200
890-4232-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48200

Client: TRC Solutions, Inc.

Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

GC Semi VOA

Prep Batch: 48193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Total/NA	Solid	8015NM Prep	
880-25699-3	TT-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-25699-4	TT-1 @ 7'	Total/NA	Solid	8015NM Prep	
880-25699-5	TT-1 @ 8'	Total/NA	Solid	8015NM Prep	
880-25699-6	TT-1 @ 9'	Total/NA	Solid	8015NM Prep	
880-25699-7	TT-1 @ 10'	Total/NA	Solid	8015NM Prep	
880-25699-8	TT-1 @ 10.5'	Total/NA	Solid	8015NM Prep	
880-25699-9	TT-1 @ 11'	Total/NA	Solid	8015NM Prep	
880-25699-10	TT-1 @ 11.5'	Total/NA	Solid	8015NM Prep	
880-25699-12	TT-2 @ 5'	Total/NA	Solid	8015NM Prep	
880-25699-13	TT-3 @ 4'	Total/NA	Solid	8015NM Prep	
880-25699-14	TT-3 @ 5'	Total/NA	Solid	8015NM Prep	
880-25699-15	TT-3 @ 6'	Total/NA	Solid	8015NM Prep	
880-25699-16	TT-3 @ 7'	Total/NA	Solid	8015NM Prep	
880-25699-17	TT-3 @ 8'	Total/NA	Solid	8015NM Prep	
880-25699-18	TT-3 @ 9'	Total/NA	Solid	8015NM Prep	
880-25699-19	TT-3 @ 10'	Total/NA	Solid	8015NM Prep	
880-25699-20	TT-3 @ 10.5'	Total/NA	Solid	8015NM Prep	
880-25699-22	TT-4 @ 5'	Total/NA	Solid	8015NM Prep	
880-25699-23	TT-4 @ 6'	Total/NA	Solid	8015NM Prep	
MB 880-48193/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48193/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48193/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25699-10 MS	TT-1 @ 11.5'	Total/NA	Solid	8015NM Prep	
880-25699-10 MSD	TT-1 @ 11.5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 48200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-24	TT-4 @ 7'	Total/NA	Solid	8015NM Prep	
880-25699-25	TT-4 @ 8'	Total/NA	Solid	8015NM Prep	
880-25699-26	TT-4 @ 9'	Total/NA	Solid	8015NM Prep	
880-25699-27	TT-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-25699-28	TT-4 @ 11'	Total/NA	Solid	8015NM Prep	
880-25699-29	TT-4 @ 11.5'	Total/NA	Solid	8015NM Prep	
880-25699-30	TT-4 @ 12'	Total/NA	Solid	8015NM Prep	
MB 880-48200/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48200/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48200/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4232-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4232-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Total/NA	Solid	8015 NM	
880-25699-3	TT-1 @ 6'	Total/NA	Solid	8015 NM	
880-25699-4	TT-1 @ 7'	Total/NA	Solid	8015 NM	
880-25699-5	TT-1 @ 8'	Total/NA	Solid	8015 NM	
880-25699-6	TT-1 @ 9'	Total/NA	Solid	8015 NM	
880-25699-7	TT-1 @ 10'	Total/NA	Solid	8015 NM	
880-25699-8	TT-1 @ 10.5'	Total/NA	Solid	8015 NM	
880-25699-9	TT-1 @ 11'	Total/NA	Solid	8015 NM	

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

GC Semi VOA (Continued)

Analysis Batch: 48378 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-10	TT-1 @ 11.5'	Total/NA	Solid	8015 NM	
880-25699-12	TT-2 @ 5'	Total/NA	Solid	8015 NM	
880-25699-13	TT-3 @ 4'	Total/NA	Solid	8015 NM	
880-25699-14	TT-3 @ 5'	Total/NA	Solid	8015 NM	
880-25699-15	TT-3 @ 6'	Total/NA	Solid	8015 NM	
880-25699-16	TT-3 @ 7'	Total/NA	Solid	8015 NM	
880-25699-17	TT-3 @ 8'	Total/NA	Solid	8015 NM	
880-25699-18	TT-3 @ 9'	Total/NA	Solid	8015 NM	
880-25699-19	TT-3 @ 10'	Total/NA	Solid	8015 NM	
880-25699-20	TT-3 @ 10.5'	Total/NA	Solid	8015 NM	
880-25699-22	TT-4 @ 5'	Total/NA	Solid	8015 NM	
880-25699-23	TT-4 @ 6'	Total/NA	Solid	8015 NM	
880-25699-24	TT-4 @ 7'	Total/NA	Solid	8015 NM	
880-25699-25	TT-4 @ 8'	Total/NA	Solid	8015 NM	
880-25699-26	TT-4 @ 9'	Total/NA	Solid	8015 NM	
880-25699-27	TT-4 @ 10'	Total/NA	Solid	8015 NM	
880-25699-28	TT-4 @ 11'	Total/NA	Solid	8015 NM	
880-25699-29	TT-4 @ 11.5'	Total/NA	Solid	8015 NM	
880-25699-30	TT-4 @ 12'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-24	TT-4 @ 7'	Soluble	Solid	DI Leach	
880-25699-25	TT-4 @ 8'	Soluble	Solid	DI Leach	
880-25699-26	TT-4 @ 9'	Soluble	Solid	DI Leach	
880-25699-27	TT-4 @ 10'	Soluble	Solid	DI Leach	
880-25699-28	TT-4 @ 11'	Soluble	Solid	DI Leach	
880-25699-29	TT-4 @ 11.5'	Soluble	Solid	DI Leach	
880-25699-30	TT-4 @ 12'	Soluble	Solid	DI Leach	
MB 880-48181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25699-30 MS	TT-4 @ 12'	Soluble	Solid	DI Leach	
880-25699-30 MSD	TT-4 @ 12'	Soluble	Solid	DI Leach	

Leach Batch: 48183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Soluble	Solid	DI Leach	_
880-25699-3	TT-1 @ 6'	Soluble	Solid	DI Leach	
880-25699-4	TT-1 @ 7'	Soluble	Solid	DI Leach	
880-25699-5	TT-1 @ 8'	Soluble	Solid	DI Leach	
880-25699-6	TT-1 @ 9'	Soluble	Solid	DI Leach	
880-25699-7	TT-1 @ 10'	Soluble	Solid	DI Leach	
880-25699-8	TT-1 @ 10.5'	Soluble	Solid	DI Leach	
880-25699-9	TT-1 @ 11'	Soluble	Solid	DI Leach	
880-25699-10	TT-1 @ 11.5'	Soluble	Solid	DI Leach	
880-25699-12	TT-2 @ 5'	Soluble	Solid	DI Leach	
880-25699-13	TT-3 @ 4'	Soluble	Solid	DI Leach	
880-25699-14	TT-3 @ 5'	Soluble	Solid	DI Leach	

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1 SDG: Hobbs Station

HPLC/IC (Continued)

Leach Batch: 48183 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-15	TT-3 @ 6'	Soluble	Solid	DI Leach	
880-25699-16	TT-3 @ 7'	Soluble	Solid	DI Leach	
880-25699-17	TT-3 @ 8'	Soluble	Solid	DI Leach	
880-25699-18	TT-3 @ 9'	Soluble	Solid	DI Leach	
880-25699-19	TT-3 @ 10'	Soluble	Solid	DI Leach	
880-25699-20	TT-3 @ 10.5'	Soluble	Solid	DI Leach	
880-25699-22	TT-4 @ 5'	Soluble	Solid	DI Leach	
880-25699-23	TT-4 @ 6'	Soluble	Solid	DI Leach	
MB 880-48183/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48183/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48183/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25699-2 MS	TT-1 @ 5'	Soluble	Solid	DI Leach	
880-25699-2 MSD	TT-1 @ 5'	Soluble	Solid	DI Leach	
880-25699-13 MS	TT-3 @ 4'	Soluble	Solid	DI Leach	
880-25699-13 MSD	TT-3 @ 4'	Soluble	Solid	DI Leach	

Analysis Batch: 48224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-24	TT-4 @ 7'	Soluble	Solid	300.0	48181
880-25699-25	TT-4 @ 8'	Soluble	Solid	300.0	48181
880-25699-26	TT-4 @ 9'	Soluble	Solid	300.0	48181
880-25699-27	TT-4 @ 10'	Soluble	Solid	300.0	48181
880-25699-28	TT-4 @ 11'	Soluble	Solid	300.0	48181
880-25699-29	TT-4 @ 11.5'	Soluble	Solid	300.0	48181
880-25699-30	TT-4 @ 12'	Soluble	Solid	300.0	48181
MB 880-48181/1-A	Method Blank	Soluble	Solid	300.0	48181
LCS 880-48181/2-A	Lab Control Sample	Soluble	Solid	300.0	48181
LCSD 880-48181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48181
880-25699-30 MS	TT-4 @ 12'	Soluble	Solid	300.0	48181
880-25699-30 MSD	TT-4 @ 12'	Soluble	Solid	300.0	48181

Analysis Batch: 48264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-2	TT-1 @ 5'	Soluble	Solid	300.0	48183
880-25699-3	TT-1 @ 6'	Soluble	Solid	300.0	48183
880-25699-4	TT-1 @ 7'	Soluble	Solid	300.0	48183
880-25699-5	TT-1 @ 8'	Soluble	Solid	300.0	48183
880-25699-6	TT-1 @ 9'	Soluble	Solid	300.0	48183
880-25699-7	TT-1 @ 10'	Soluble	Solid	300.0	48183
880-25699-8	TT-1 @ 10.5'	Soluble	Solid	300.0	48183
880-25699-9	TT-1 @ 11'	Soluble	Solid	300.0	48183
880-25699-10	TT-1 @ 11.5'	Soluble	Solid	300.0	48183
880-25699-12	TT-2 @ 5'	Soluble	Solid	300.0	48183
880-25699-13	TT-3 @ 4'	Soluble	Solid	300.0	48183
880-25699-14	TT-3 @ 5'	Soluble	Solid	300.0	48183
880-25699-15	TT-3 @ 6'	Soluble	Solid	300.0	48183
880-25699-16	TT-3 @ 7'	Soluble	Solid	300.0	48183
880-25699-17	TT-3 @ 8'	Soluble	Solid	300.0	48183
880-25699-18	TT-3 @ 9'	Soluble	Solid	300.0	48183
880-25699-19	TT-3 @ 10'	Soluble	Solid	300.0	48183
880-25699-20	TT-3 @ 10.5'	Soluble	Solid	300.0	48183

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Client: TRC Solutions, Inc.

Job ID: 880-25699-1

Project/Site: HEP-Hobbs Station-TK5202

SDG: Hobbs Station

HPLC/IC (Continued)

Analysis Batch: 48264 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25699-22	TT-4 @ 5'	Soluble	Solid	300.0	48183
880-25699-23	TT-4 @ 6'	Soluble	Solid	300.0	48183
MB 880-48183/1-A	Method Blank	Soluble	Solid	300.0	48183
LCS 880-48183/2-A	Lab Control Sample	Soluble	Solid	300.0	48183
LCSD 880-48183/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48183
880-25699-2 MS	TT-1 @ 5'	Soluble	Solid	300.0	48183
880-25699-2 MSD	TT-1 @ 5'	Soluble	Solid	300.0	48183
880-25699-13 MS	TT-3 @ 4'	Soluble	Solid	300.0	48183
880-25699-13 MSD	TT-3 @ 4'	Soluble	Solid	300.0	48183

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Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Lab Sample ID: 880-25699-2

Client Sample ID: TT-1 @ 5' Date Collected: 03/08/23 09:05 Date Received: 03/09/23 08:18

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 18:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	48171	03/10/23 01:21	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 09:56	CH	EET MID

Client Sample ID: TT-1 @ 6' Lab Sample ID: 880-25699-3

Date Collected: 03/08/23 09:10 **Matrix: Solid**

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 01:43	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 10:15	CH	EET MID

Client Sample ID: TT-1 @ 7' Lab Sample ID: 880-25699-4 Date Collected: 03/08/23 09:15 **Matrix: Solid**

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 19:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 02:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 10:21	CH	EET MID

Client Sample ID: TT-1 @ 8' Lab Sample ID: 880-25699-5 Date Collected: 03/08/23 09:20 **Matrix: Solid**

Date Received: 03/09/23 08:18

Duan Tana	Batch	Batch	D	Dil	Initial	Final	Batch	Prepared	Amalmat	l ab
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 05:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID

Job ID: 880-25699-1

SDG: Hobbs Station

Client Sample ID: TT-1 @ 8'

Date Collected: 03/08/23 09:20 Date Received: 03/09/23 08:18 Lab Sample ID: 880-25699-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/09/23 22:52	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 10:27	CH	EET MID

Lab Sample ID: 880-25699-6

Matrix: Solid

Date Collected: 03/08/23 09:30 Date Received: 03/09/23 08:18

Client Sample ID: TT-1 @ 9'

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48323	03/11/23 07:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/10/23 00:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 10:33	CH	EET MID

Client Sample ID: TT-1 @ 10' Lab Sample ID: 880-25699-7 **Matrix: Solid**

Date Collected: 03/08/23 09:40 Date Received: 03/09/23 08:18

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48323	03/11/23 07:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/10/23 00:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 10:52	CH	EET MID

Client Sample ID: TT-1 @ 10.5'

Date Collected: 03/08/23 09:50

Date Received: 03/09/23 08:18

nL	50 mL	48264	03/10/23 10:52	СН	EET MID
		L	ab Sample	ID: 8	80-25699-8
			_		Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48323	03/11/23 08:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	48193 48171	03/09/23 10:13 03/09/23 23:13		EET MID EET MID

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Client Sample ID: TT-1 @ 10.5'

Lab Sample ID: 880-25699-8

Matrix: Solid

Job ID: 880-25699-1

SDG: Hobbs Station

Date Collected: 03/08/23 09:50 Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 10:58	CH	EET MID

Lab Sample ID: 880-25699-9 Client Sample ID: TT-1 @ 11'

Date Collected: 03/08/23 10:00 Matrix: Solid

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/09/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 11:04	CH	EET MID

Client Sample ID: TT-1 @ 11.5'

Lab Sample ID: 880-25699-10 Date Collected: 03/08/23 10:10

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48323	03/11/23 06:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/09/23 21:47	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 11:10	CH	EET MID

Client Sample ID: TT-2 @ 5'

Date Collected: 03/08/23 10:45

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48323	03/11/23 10:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/09/23 23:56	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 11:16	CH	EET MID

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Lab Sample ID: 880-25699-12

Matrix: Solid

Matrix: Solid

Date Collected: 03/08/23 11:05 Date Received: 03/09/23 08:18 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 19:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 02:47	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 11:23	CH	EET MID

Lab Sample ID: 880-25699-14

Matrix: Solid

Client Sample ID: TT-3 @ 5' Date Collected: 03/08/23 11:10 Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 20:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 03:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 11:41	CH	EET MID

Client Sample ID: TT-3 @ 6' Lab Sample ID: 880-25699-15 Date Collected: 03/08/23 11:15 **Matrix: Solid**

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 20:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	48171	03/10/23 03:30	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 11:47	CH	EET MID

Client Sample ID: TT-3 @ 7' Lab Sample ID: 880-25699-16 Date Collected: 03/08/23 11:25

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID

Eurofins Midland

Matrix: Solid

Page 61 of 73 Released to Imaging: 12/14/2023 3:22:23 PM

Client Sample ID: TT-3 @ 7'

Date Collected: 03/08/23 11:25

Date Received: 03/09/23 08:18

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1 SDG: Hobbs Station

Lab Sample ID: 880-25699-16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		10	1 uL	1 uL	48171	03/10/23 03:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 12:06	CH	EET MID

Lab Sample ID: 880-25699-17 Client Sample ID: TT-3 @ 8' Date Collected: 03/08/23 11:35 **Matrix: Solid**

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 21:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		5	10.031 g 1 uL	10 mL 1 uL	48193 48171	03/09/23 10:13 03/10/23 04:14		EET MID
Soluble Soluble	Leach Analysis	DI Leach		1	5.04 g 50 mL	50 mL 50 mL	48183 48264	03/09/23 09:28		EET MID

Client Sample ID: TT-3 @ 9' Lab Sample ID: 880-25699-18 **Matrix: Solid**

Date Collected: 03/08/23 11:45 Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48308	03/10/23 11:06	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/18/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 12:18	CH	EET MID

Client Sample ID: TT-3 @ 10' Lab Sample ID: 880-25699-19 Date Collected: 03/08/23 11:55 **Matrix: Solid**

Date Received: 03/09/23 08:18

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	48617	03/14/23 14:47	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/19/23 07:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		5	10.02 g 1 uL	10 mL 1 uL	48193 48171	03/09/23 10:13 03/10/23 04:57	AJ SM	EET MID EET MID

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Client Sample ID: TT-3 @ 10'

Lab Sample ID: 880-25699-19

Matrix: Solid

Job ID: 880-25699-1

SDG: Hobbs Station

Date Collected: 03/08/23 11:55 Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 12:24	CH	EET MID

Lab Sample ID: 880-25699-20

Matrix: Solid

Client Sample ID: TT-3 @ 10.5' Date Collected: 03/08/23 12:10

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48205	03/09/23 11:30	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48323	03/11/23 12:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/13/23 18:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48171	03/10/23 01:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 12:30	CH	EET MID

Client Sample ID: TT-4 @ 5'

Date Collected: 03/08/23 13:35 Date Received: 03/09/23 08:18

Lab Sample ID: 880-25699-22

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48617	03/14/23 14:47	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/19/23 08:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 05:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 12:37	CH	EET MID

Client Sample ID: 1

Date Collected: 03/08/2 Date Received: 03/09/23 08:18

TT-4 @ 6'	Lab Sample ID: 880-25699-23
/23 13:40	Matrix: Solid
100.00.40	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48617	03/14/23 14:47	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48814	03/19/23 08:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48193	03/09/23 10:13	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	48171	03/10/23 05:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48183	03/09/23 09:28	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48264	03/10/23 12:43	CH	EET MID

SDG: Hobbs Station

Client Sample ID: TT-4 @ 7' Date Collected: 03/08/23 13:45

Lab Sample ID: 880-25699-24

Date Received: 03/09/23 08:18

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48248	03/09/23 15:49	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48914	03/20/23 10:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/20/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 03:30	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 14:40	SMC	EET MID

Lab Sample ID: 880-25699-25

Matrix: Solid

Date Collected: 03/08/23 13:55 Date Received: 03/09/23 08:18

Client Sample ID: TT-4 @ 8'

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48248	03/09/23 15:49	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48914	03/20/23 10:41	MNR	EET MIC
Total/NA	Analysis	Total BTEX		1			48555	03/20/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 03:52	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 16:18	SMC	EET MID

Client Sample ID: TT-4 @ 9' Lab Sample ID: 880-25699-26 Date Collected: 03/08/23 14:05 **Matrix: Solid**

Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48248	03/09/23 15:49	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48914	03/20/23 11:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/20/23 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 04:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 16:22	SMC	EET MID

Client Sample ID: TT-4 @ 10' Lab Sample ID: 880-25699-27

Date Collected: 03/08/23 14:20 Date Received: 03/09/23 08:18

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	48617	03/14/23 14:47	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48814	03/19/23 08:54	MNR	EET MID

Eurofins Midland

Matrix: Solid

Client Sample ID: TT-4 @ 10'

Date Collected: 03/08/23 14:20 Date Received: 03/09/23 08:18 Lab Sample ID: 880-25699-27

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	48949	03/20/23 15:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 04:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 16:27	SMC	EET MID

Client Sample ID: TT-4 @ 11'

Date Collected: 03/08/23 14:30

Lab Sample ID: 880-25699-28

Matrix: Solid

Date Received: 03/09/23 08:18

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48617	03/14/23 14:47	MNR	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	48814	03/19/23 09:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 04:57	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 16:32	SMC	EET MID

Client Sample ID: TT-4 @ 11.5'

Date Collected: 03/08/23 14:40

Date Received: 03/09/23 08:18

Lab Sample ID: 880-25699-29

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48750	03/16/23 12:22	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	48814	03/18/23 04:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 05:18	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 16:37	SMC	EET MID

Client Sa

Date Colle

Date Recei

Allalysis 300.0	1 50 IIIL	30 IIIL 4	10224 03/09/23 10.37 SMC EET MID	
Sample ID: TT-4 @ 12'			Lab Sample ID: 880-25699-30	Ĵ
ected: 03/08/23 14:50			Matrix: Solic	1
eived: 03/09/23 08:18				

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48750	03/16/23 12:22	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	48814	03/18/23 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48555	03/19/23 16:17	SM	EET MID

Lab Chronicle

Client: TRC Solutions, Inc. Job ID: 880-25699-1 Project/Site: HEP-Hobbs Station-TK5202 SDG: Hobbs Station

Client Sample ID: TT-4 @ 12' Lab Sample ID: 880-25699-30

Date Collected: 03/08/23 14:50 **Matrix: Solid** Date Received: 03/09/23 08:18

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48378	03/10/23 18:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48200	03/09/23 10:49	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48173	03/10/23 05:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48181	03/09/23 09:26	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48224	03/09/23 16:42	SMC	EET MID

Laboratory References:

EET 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 Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date				
Texas	NELAP T104704		T104704400-23-26	06-30-23				
The following analyte:	s are included in this repo	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for wh				
the agency does not	•	,	g					
the agency does not of Analysis Method	•	Matrix	Analyte					
0 ,	offer certification.	•	, , ,					

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Method Summary

Client: TRC Solutions, Inc.

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
3015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
Ol Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

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

Sample Summary

Client: TRC Solutions, Inc.

880-25699-30

TT-4 @ 12'

Project/Site: HEP-Hobbs Station-TK5202

Job ID: 880-25699-1

SDG: Hobbs Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25699-2	TT-1 @ 5'	Solid	03/08/23 09:05	03/09/23 08:18	5'
880-25699-3	TT-1 @ 6'	Solid	03/08/23 09:10	03/09/23 08:18	6'
880-25699-4	TT-1 @ 7'	Solid	03/08/23 09:15	03/09/23 08:18	7'
880-25699-5	TT-1 @ 8'	Solid	03/08/23 09:20	03/09/23 08:18	8'
880-25699-6	TT-1 @ 9'	Solid	03/08/23 09:30	03/09/23 08:18	9'
880-25699-7	TT-1 @ 10'	Solid	03/08/23 09:40	03/09/23 08:18	10'
880-25699-8	TT-1 @ 10.5'	Solid	03/08/23 09:50	03/09/23 08:18	10.5'
880-25699-9	TT-1 @ 11'	Solid	03/08/23 10:00	03/09/23 08:18	11'
880-25699-10	TT-1 @ 11.5'	Solid	03/08/23 10:10	03/09/23 08:18	11.5'
880-25699-12	TT-2 @ 5'	Solid	03/08/23 10:45	03/09/23 08:18	5'
880-25699-13	TT-3 @ 4'	Solid	03/08/23 11:05	03/09/23 08:18	4'
880-25699-14	TT-3 @ 5'	Solid	03/08/23 11:10	03/09/23 08:18	5'
880-25699-15	TT-3 @ 6'	Solid	03/08/23 11:15	03/09/23 08:18	6'
880-25699-16	TT-3 @ 7'	Solid	03/08/23 11:25	03/09/23 08:18	7'
880-25699-17	TT-3 @ 8'	Solid	03/08/23 11:35	03/09/23 08:18	8'
880-25699-18	TT-3 @ 9'	Solid	03/08/23 11:45	03/09/23 08:18	9'
880-25699-19	TT-3 @ 10'	Solid	03/08/23 11:55	03/09/23 08:18	10'
880-25699-20	TT-3 @ 10.5'	Solid	03/08/23 12:10	03/09/23 08:18	10.5'
880-25699-22	TT-4 @ 5'	Solid	03/08/23 13:35	03/09/23 08:18	5'
880-25699-23	TT-4 @ 6'	Solid	03/08/23 13:40	03/09/23 08:18	6'
880-25699-24	TT-4 @ 7'	Solid	03/08/23 13:45	03/09/23 08:18	7'
880-25699-25	TT-4 @ 8'	Solid	03/08/23 13:55	03/09/23 08:18	8'
880-25699-26	TT-4 @ 9'	Solid	03/08/23 14:05	03/09/23 08:18	9'
880-25699-27	TT-4 @ 10'	Solid	03/08/23 14:20	03/09/23 08:18	10'
880-25699-28	TT-4 @ 11'	Solid	03/08/23 14:30	03/09/23 08:18	11'
880-25699-29	TT-4 @ 11.5'	Solid	03/08/23 14:40	03/09/23 08:18	11.5'

Solid

03/08/23 14:50 03/09/23 08:18 12'

Received by OCD: 9/26/2023 3:37:34 PM

9/13/2023 (Rev. 1)

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

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Project Manager Recompany Name Rec
Address
City, State ZIP
Project Name Project Name Project Name Project Name Project Name Project Number Project Location Project Number Project Location Project Number Project Location Project Number Project Location Project Number Project
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Sampler's Name
Triangle
Sample Custody Seals. Yes No
Sample Custody Seals. Yes No
Sample Custody Seals. Yes No
Total Containers: Corrected Temperature 2. 2
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TT-1 Q5'
TT-1 QC' TT-1 Q
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Total 200.7/6010 200.8/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb
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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9/13/2023 (Rev. 1)

Chain of Custody

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

Work Order No:	7	51	Qq	0
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	Xenco

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

More Name Record	<u> </u>				т												www.	xenco.	com	Page	<u> of</u>	
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T7-3 @ 9	77-30	26		1115	6	1		~						1						·····		
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Chain of Custody

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Work Order No:	-00	4

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Project Manager	Russel Sebrino	}	Bill to: (if differen	t)	<u> </u>	Work Order Comments													
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Phone [.]	432.250,4465	Email	<u></u>			Deliverables EDD ADaPT Other						er·							
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Project Number		Routine	Rush	Pres.												T	N	one NO	DI Water∙ H₂O
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PO #		the lab, if rec	eived by 4.30pm]										- [- [- 1	S0 4 H 2	NaOH Na
SAMPLE RECEIPT	Temp Blank. Yes (Yo	Wet Ice	YES No	Parameters										Į		-	1	PO 4 HP	
Samples Received Inta	ct: (Yes No Thermom	ter ID·	18] <u>Ē</u>			اليا										1 '	HSO 4 NA	BIS
Cooler Custody Seals:	Yes No (T)A Correction	Factor ·	-0.3] &	X		Š]			1]		1	ſ	₂ S ₂ O ₃ Nas	
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Total Containers.	Corrected	Temperature [.]	1 0. d	1	10	2	文			3			1	1			N	OH+Ascorl	bic Acıd· SAPC
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	nd Metal(s) to be analyzed	TCLP/S	PLP 6010 8RG	CRA S	b As	Ba Be	Cd (Cr Co	Cu Pb I	Mn Mo	Ni S	e Ag T	ΙU					3n U V 470 / 747	
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of Eurofins Xenco. A minimum	n charge of \$85.00 will be applied to each projec	and a charge of \$5	for each sample subm	itted to E	urofins Xe	nco, but	not ana	yzed. The	es are que to se terms will	be enforced	es bey unles:	ond the cor previously	ntrol negotiati	ed.					
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Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-25699-1 SDG Number: Hobbs Station

List Source: Eurofins Midland Login Number: 25699

List Number: 1

Creator: Teel, Brianna

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	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

Released to Imaging: 12/14/2023 3:22:23 PM



Site: Hobbs Station Tank 5202

Location: Hobbs, NM Client Name: HEP Project #: 528833 Laboratory: Eurofins Midland

Lab Report #: 880-25699-1 Reviewer: A. Eljuri

Peer Reviewer: L. Denly Review Date: 9/11/2023

Analytical Method(s): Matrices Sampled: Sample Collection Date(s):

Soil

BTEX by Method SW846 8021B; TPH (GRO, DRO,

ORO, and Total) by Method 8015B NM; Chloride by EPA

March 8, 2023

Sampling Objective(s):

Collect confirmation soil samples at a release site.

Sample IDs (List IDs or attach COC):

Refer to data package sample summary.

<u> </u>					
Revi	ew Item or Question	Υ	N	NA	Comments
Chain	of-Custody and Data Completeness				
1	Was COC appropriately completed?	Х			
2	Did the laboratory report correct sample IDs?	х			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	Х			
4	Are results reported for all analytical methods requested?	Х			The laboratory reported Total TPH and Total BTEX (solid), which are not offered for accreditation.
5	Are results reported for all samples submitted for analysis?	Х			
6	Were the requested analytical methods used?	Х			
7	Are results reported for all target analytes, but no additional analytes?	Х			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		Х		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?			Х	
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	Х			



Revie	ew Item or Question	Υ	N	NA	Comments
Sampl	e Preservation				
11a	Did samples arrive at the laboratory appropriately preserved?			Х	
11b	Was the cooler temperature between 0-6°C?	Х			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			Х	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		Х		Soil samples were collected in unpreserved bulk jars, which is an acceptable collection method for BTEX and TPH analyses for the New Mexico Oil Conservation District.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	Х			
13	Were any issues noted by the laboratory upon receipt?		Х		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			Х	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			Х	
Holdin	g Times				
	Were sample preparation and analysis holding time requirements met?	Х			
Report	ing Limits				
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	Х			All non-detect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).	х			TT-1 @ 5', TT-1 @ 6', TT-1 @ 7', TT-3 @ 4', TT-3 @ 5', TT-3 @ 6', TT-3 @ 7', TT-3 @ 8', TT-3 @ 9', TT-3 @ 10', TT-4 @ 5', and TT-4 @ 6': BTEX 500-fold TT-4 @ 11.5' and TT-4 @ 12': BTEX 250-fold TT-1 @ 9', TT-1 @ 10', TT-1 @ 10.5', TT-2 @ 5', TT-3 @ 10.5', TT-4 @ 7', TT-4 @ 8', TT-4 @ 9', and TT-4 @ 11': BTEX 100-fold TT-1 @ 5', TT-3 @ 6', and TT-3 @ 7': TPH GRO/DRO/ORO 10-fold TT-1 @ 6', TT-1 @ 7', TT-3 @ 4', TT-3 @ 5', TT-3 @ 8', TT-3 @ 9', TT-3 @ 10', TT-4 @ 5', and TT-4 @ 6': TPH GRO/DRO/ORO 5-fold TT-4 @ 10': BTEX (except toluene) 100-fold and toluene at 500-fold
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?		x		



Revie	ew Item or Question	Υ	N	NA	Comments
QC R	esults				
Blanks	6				
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		Х		
20	Does each analytical or preparation batch have its own method blank?	Х			
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).			Х	
22	Are there any potential false positive results based on questions 19 and/or 21?		Х		
Labora	atory Control Spikes				
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.		x		Total xylenes and TPH ORO are not reported in any LCS or LCSD. In analysis batch 48800, the LCSD recovery for benzene (66%) was below the laboratory-specified limits (70-130%). However, this batch is not associated with any project samples, so there is no impact on data usability due to this issue.
24	Does each analytical or preparation batch have its own LCS?	Х			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	Х			
Matrix	Spikes				
	Are MS/MSD recoveries within QC limits? If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.				MS/MSDs were performed on samples TT-1 @ 11.5' for TPH GRO/DRO and samples TT-4 @ 12', TT-1 @ 5', and TT-3 @ 4' for chloride. MS/MSDs were also performed on a non-project samples; non-project sample MS/MSD results were not evaluated during this
26			Х		review. The MS/MSD %Rs of chloride performed on samples TT-4 @ 12' (116%/115%), TT-1 @ 5' (112%/111%), and TT-3 @ 4' (114%/114%) were above the laboratory-defined recovery limits (90-110%). The detected chloride results in all samples in this data package may be estimated, biased high.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	Х			



Review Item or Question	Υ	N	NA	Comments
Surrogates				
ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples surrogate recoveries and analytes affected.	,			In sample TT-1 @ 5', surrogates 4-bromofluorobenzene (33%) and 1,4-difluorobenzene (29%) recovered below the laboratory-specified limits (70-130%) in the BTEX analysis and surrogates 1-chlorooctane (207%) and o-terphenyl (162%) recovered above the laboratory-specified limits (70-130%) in the TPH analysis. Therefore, the BTEX and Total BTEX results may be considered estimated, biased low in sample TT-1 @ 5'. There is no impact on data usability due to the TPH surrogate recoveries since the sample was diluted 10-fold.
				In sample TT-1 @ 6', surrogate 1,4-difluorobenzene (5%) recovered significantly below (<10%) the laboratory-defined limits (70-130%) in the BTEX analysis and surrogate 1-chlorooctane (174%) recovered above the laboratory-defined limits (70-130%) in the TPH analysis. Therefore, the detected BTEX (not benzene) and Total BTEX results may be considered estimated, biased low, the nondetect benzene result is not usable for project objectives, and the detected TPH GRO and TPH DRO results may be considered estimated, biased high in sample TT-1 @ 6'.
				In samples TT-1 @ 7', TT-3 @ 5', TT-3 @ 9', TT-4 @ 5', and TT-4 @ 6', surrogate chlorooctane (131%, 158%, 164%, 149%, and 136%, respectively) recovered above the laboratory-defined limit (70-130%) in the TPH analyses. Therefore, detected TPH GRO, TPH DRO, and Total TPH results in samples TT-1 @ 7', TT-3 @ 5', TT-3 @ 9', TT-4 @ 5', and TT-4 @ 6' may be considered estimated, biased high.
28		х		In sample TT-3 @ 6', surrogates 1-chlorooctane (207%) and oterphenyl (174%) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. There is no impact on data usability due to the TPH surrogate recoveries since the sample was diluted 10-fold.
				In sample TT-3 @ 7', surrogate 1-chlorooctane (177%) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. There is no impact on data usability due to the TPH surrogate recovery since the sample was diluted 10-fold.
				In samples TT-4 @ 7', TT-4 @ 8', TT-4 @ 9', TT-4 @ 10', TT-4 @ 11', TT-4 @ 11.5', and TT-4 @ 12', surrogates 1-chlorooctane (26%, 28%, 27%, 26%, 26%, 25%, and 27%, respectively) and oterphenyl (23%, 26%, 24%, 23%, 23%, 23%, and 25%, respectively) recovered below the laboratory-defined limit (70-130%) in the TPH analyses. Therefore, the detected TPH GRO, TPH DRO, TPH ORO and Total TPH results may be estimated, biased low in samples TT-4 @ 7', TT-4 @ 8', TT-4 @ 9', TT-4 @ 10', TT-4 @ 11', TT-4 @ 11.5', and TT-4 @ 12'.
				In sample TT-4 @ 11.5', surrogate 1,4-difluorobenzene (67%) recovered below the laboratory-defined limit (70-130%) in the BTEX analysis. Therefore, the detected BTEX and Total BTEX results in sample TT-4 @ 11.5' may be considered estimated, biased low.
				In sample TT-4 @ 10', surrogate 4-bromofluorobenzene (143%) in the 500-fold dilution recovered above the laboratory-defined limit (70-130%) for toluene. Therefore, the detected toluene and Total BTEX results in sample TT-4 @ 10' may be considered estimated, biased high.



Revi	ew Item or Question	Υ	N	NA	Comments
Duplic	ates				
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			Х	
30	Were field duplicate criteria met? If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples. NOTE: RPD ≤ 50% for soil samples when results are >3x the reporting limit; otherwise, AbsD > 2x reporting limit.			Х	
Do the	Data Make Sense?				
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences) that have not already been addressed above? If yes, list the comments that have potential impact to sample results (or attach case narrative and highlight the comments that have potential impact to sample results).		Х		
32	Were any other potential data quality issues identified? If yes, describe issues.		Х		
33	Do any results look questionable? If yes, ASK THE LAB.		Х		
34	Has the EDD been compared to the lab report?			Х	
Additio	onal Comments:			•	

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

AbsD = Absolute Difference

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

MRO = Motor Range Organics

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 = $100\% \times |(A-B)/((A+B)/2)|$

TPH = Total Petroleum Hydrocarbon

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Russell Sebring TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 9/15/2023 1:46:53 PM Revision 1

JOB DESCRIPTION

HEP: Hobbs Station TK 5202

JOB NUMBER

880-28372-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

Generated 9/15/2023 1:46:53 PM Revision 1

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 .

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Client: TRC Solutions, Inc.

Laboratory Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Qualifiers

GC/MS 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.

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid Colony Forming Unit **CFU** Contains No Free Liquid CNF

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)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI 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

Practical Quantitation Limit PQL

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 Station TK 5202

Job ID: 880-28372-1

Job ID: 880-28372-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-28372-1

REVISION

The report being provided is a revision of the original report sent on 5/17/2023. The report (revision 1) is being revised due to Per client email, requesting sample ID edits.

Receipt

The samples were received on 5/12/2023 1:49 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 4.0°C

GC/MS VOA

Method 8260C: Surrogate recovery for the following samples were outside the upper control limit: Trip Blank (880-28372-40) and (860-48897-O-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. Surrogate 4-Bromofluorobenzene is not associated with target analytes.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (860-49010-C-2-A) and (860-49010-C-2-A MS). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk

Method 8260C: The matrix spike (MS) recoveries for preparation batch 860-103260 and analytical batch 860-103359 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 860-103367 recovered outside control limits for the following analytes: m-Xylene & p-Xylene, and Toluene.

Method 8260C: The matrix spike (MS) recoveries for preparation batch 860-102802 and analytical batch 860-103367 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: Sample is a bulk jar.TT-5 @ 5' (880-28372-16), TT-5 @ 6' (880-28372-17), TT-5 @ 7' (880-28372-18), TT-5 @ 8' (880-28372-19), TT-5 @ 9' (880-28372-20), TT-5 @ 10' (880-28372-21), TT-5 @ 11' (880-28372-22), TT-5 @ 12' (880-28372-23), TT-5 @ 13' (880-28372-24), TT-6 @ 7' (880-28372-30), TT-6 @ 8' (880-28372-31), TT-6 @ 9' (880-28372-32), TT-6 @ 10' (880-28372-33) and TT-6 @ 11' (880-28372-34)

Method 8260C: The following sample was diluted due to the nature of the sample matrix: (860-48960-C-13-A MS). Elevated reporting limits (RLs) are provided. Sample prepped fro ma methanol vial.

Method 8260C: Sample received in a bulk jar.TT-6 @ 12' (880-28372-35), TT-6 @ 13' (880-28372-36), TT-6 @ 14' (880-28372-37), TT-6 @ 15' (880-28372-38) and TT-6 @ 16' (880-28372-39)

Method 8260C: The following samples were diluted due to being debris: (860-48633-A-2-D) and (860-48633-A-2-D MS). Elevated reporting limits (RL) are provided. Sample was prepped with methanol from a bulk jar.

Method 8260C: The matrix spike (MS) recoveries for preparation batch 860-102802 and analytical batch 860-103493 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: Sample is a bulk jar.TT-5 @ 14' (880-28372-25), TT-5 @ 15' (880-28372-26), TT-5 @ 16' (880-28372-27), TT-6 @ 5' (880-28372-28) and TT-6 @ 6' (880-28372-29)

Eurofins Midland 9/15/2023 (Rev. 1)

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Job ID: 880-28372-1

Job ID: 880-28372-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (860-48764-D-7-B) and (860-48764-D-7-B MS). Elevated reporting limits (RLs) are provided. Sample was prepped from methanol vial.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: TT-2 @ 7' (880-28372-1), TT-2 @ 8' (880-28372-2), TT-2 @ 9' (880-28372-3), TT-2 @ 10' (880-28372-4), TT-2 @ 11' (880-28372-5), TT-2 @ 13' (880-28372-7), TT-2 @ 14' (880-28372-8), TT-2 @ 15' (880-28372-9) and TT-2 @ 16' (880-28372-10). Elevated reporting limits (RLs) are provided. Sample was prepped with methanol from a bulk jar.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: (820-8447-D-1-A) and (820-8447-D-1-A MS). Elevated reporting limits (RLs) are provided. Sample prepped from a methanol vial.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: TT-4 @ 13' (880-28372-11). TT-4 @ 14' (880-28372-12), TT-4 @ 15' (880-28372-13), TT-4 @ 16' (880-28372-14) and Dup-01 (880-28372-15). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: TT-2 @ 11' (880-28372-5), TT-4 @ 14' (880-28372-12), TT-4 @ 15' (880-28372-13) and TT-4 @ 16' (880-28372-14). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: (820-8447-D-8-A) and (820-8447-D-8-A MS). Elevated reporting limits (RLs) are provided. Sample prepped from a methanol vial.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: TT-2 @ 8' (880-28372-2), TT-2 @ 9' (880-28372-3), TT-2 @ 10' (880-28372-4) and TT-2 @ 16' (880-28372-10). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (860-48964-B-1-A) and (860-48964-B-1-A MS). Elevated reporting limits (RLs) are provided. Sample was prepped from methanol vial.

Method 8260C: The following sample was diluted due to the nature of the sample matrix: TT-2 @ 12' (880-28372-6). Elevated reporting limits (RLs) are provided. Sample was prepped with methanol from a bulk jar.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: TT-2 @ 15' (880-28372-9). Elevated reporting limits (RLs) are provided. Sample was prepped with methanol from a bulk jar.

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: The surrogate recovery for the blank associated with preparation batch 880-53306 and analytical batch 880-53318 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-53306/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: TT-5 @ 10' (880-28372-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: TT-5 @ 11' (880-28372-22), TT-5 @ 12' (880-28372-23), TT-5 @ 13' (880-28372-24), TT-5 @ 14' (880-28372-25), TT-5 @ 15' (880-28372-26), TT-5 @ 16' (880-28372-27), TT-6 @ 5' (880-28372-28), TT-6 @ 6' (880-28372-29) and TT-6 @ 7' (880-28372-30). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Job ID: 880-28372-1

Job ID: 880-28372-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method $8015MOD_NM$: Surrogate recovery for the following samples were outside control limits: TT-6 @ 8' (880-28372-31), TT-6 @ 9' (880-28372-32), TT-6 @ 10' (880-28372-32), TT-6 @ 11' (880-28372-34), TT-6 @ 12' (880-28372-35), TT-6 @ 13' (880-28372-36), TT-6 @ 14' (880-28372-37), TT-6 @ 15' (880-28372-38) and TT-6 @ 16' (880-28372-39). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53305 and analytical batch 880-53316 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: TT-5 @ 8' (880-28372-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: TT-2 @ 7' (880-28372-1), TT-2 @ 8' (880-28372-2), TT-2 @ 9' (880-28372-3), TT-2 @ 12' (880-28372-6) and TT-2 @ 14' (880-28372-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: TT-2 @ 10' (880-28372-4), TT-2 @ 11' (880-28372-5), TT-2 @ 15' (880-28372-9), TT-2 @ 16' (880-28372-10), TT-4 @ 13' (880-28372-11), TT-4 @ 14' (880-28372-12), TT-4 @ 15' (880-28372-13), TT-4 @ 16' (880-28372-14) and Dup-01 (880-28372-15). 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.

HPLC/IC

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

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Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 7'

Date Collected: 05/11/23 07:45 Date Received: 05/12/23 13:49

Sample Depth: 7

Lab Samp	le ID:	880-28	3372-1
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05/12/23 21:07 05/13/23 23:10

. Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.201	U	0.201	mg/Kg		05/16/23 09:51	05/16/23 21:11	200	
Toluene	5.53	*1	1.01	mg/Kg		05/16/23 09:51	05/16/23 21:11	200	
Ethylbenzene	10.6		0.201	mg/Kg		05/16/23 09:51	05/16/23 21:11	200	
m,p-Xylenes	12.4	*1	0.402	mg/Kg		05/16/23 09:51	05/16/23 21:11	200	
o-Xylene	6.29		0.201	mg/Kg		05/16/23 09:51	05/16/23 21:11	200	
Xylenes, Total	18.7		0.402	mg/Kg		05/16/23 09:51	05/16/23 21:11	200	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	115		56 - 150			05/16/23 09:51	05/16/23 21:11	200	
4-Bromofluorobenzene (Surr)	107		68 ₋ 152			05/16/23 09:51	05/16/23 21:11	200	

 Surrogate
 %Recovery [Qualifier]
 Limits
 Prepared 05/16/23 09:51
 Analyzed 05/16/23 21:11
 Dil Fac 05/16/23 09:51

 4-Bromofluorobenzene (Surr)
 107
 68 - 152
 05/16/23 09:51
 05/16/23 21:11
 200

 Dibromofluoromethane (Surr)
 94
 53 - 142
 05/16/23 09:51
 05/16/23 21:11
 200

 Toluene-d8 (Surr)
 102
 70 - 130
 05/16/23 09:51
 05/16/23 21:11
 200

 Method: TAL SOP Total BTEX - Total BTEX Calculation

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 34.8
 0.402
 mg/Kg
 05/17/23 16:28
 1

 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

 Analyte
 Result Total TPH
 Qualifier
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac 250 **Gasoline Range Organics** 1270 mg/Kg 05/12/23 21:07 05/13/23 23:10 (GRO)-C6-C10 250 05/12/23 21:07 05/13/23 23:10 **Diesel Range Organics (Over** mg/Kg 3260 C10-C28) Oll Range Organics (Over C28-C36) <250 U 250 mg/Kg 05/12/23 21:07 05/13/23 23:10 5 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 70 - 130 05/12/23 21:07 05/13/23 23:10 1-Chlorooctane 156 S1+ 5

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResult QualifierRL RL MarkUnit MarkD Prepared ManalyzedAnalyzed Manalyzed ManalyzedDil Fac Manalyzed ManalyzedChloride2854.97mg/Kg05/13/23 22:501

70 - 130

111

Client Sample ID: TT-2 @ 8'

Date Collected: 05/11/23 07:50

Lab Sample ID: 880-28372-2

Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 8

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.403		0.0496	mg/Kg		05/16/23 09:51	05/16/23 20:44	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		56 - 150			05/16/23 09:51	05/16/23 20:44	50
4-Bromofluorobenzene (Surr)	102		68 - 152			05/16/23 09:51	05/16/23 20:44	50
Dibromofluoromethane (Surr)	92		53 - 142			05/16/23 09:51	05/16/23 20:44	50
Toluene-d8 (Surr)	108		70 - 130			05/16/23 09:51	05/16/23 20:44	50

Eurofins Midland

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Lab Sample ID: 880-28372-2

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 8' Date Collected: 05/11/23 07:50

Date Received: 05/12/23 13:49

Sample Depth: 8

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	18.7		2.48	mg/Kg		05/16/23 09:51	05/17/23 14:37	500
Ethylbenzene	27.1		0.496	mg/Kg		05/16/23 09:51	05/17/23 14:37	500
m,p-Xylenes	35.4		0.992	mg/Kg		05/16/23 09:51	05/17/23 14:37	500
o-Xylene	15.9		0.496	mg/Kg		05/16/23 09:51	05/17/23 14:37	500
Xylenes, Total	51.3		0.992	mg/Kg		05/16/23 09:51	05/17/23 14:37	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150			05/16/23 09:51	05/17/23 14:37	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150	05/16/23 09:51	05/17/23 14:37	500
4-Bromofluorobenzene (Surr)	107		68 - 152	05/16/23 09:51	05/17/23 14:37	500
Dibromofluoromethane (Surr)	91		53 - 142	05/16/23 09:51	05/17/23 14:37	500
Toluene-d8 (Surr)	99		70 - 130	05/16/23 09:51	05/17/23 14:37	500

Method: TAL SOP Total BTEX -	- Total BTE	X Calculat	tion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	97.5		0.992	mg/Kg			05/17/23 16:31	1

Method: SW846 8015 NM - Die	esel Range Organics (DF	RO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5270	250	mg/Kg			05/15/23 16:59	1

Method: SW846 8015B NM - E	Diesel Range	e Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1440		250	mg/Kg		05/12/23 21:07	05/13/23 23:31	5
Diesel Range Organics (Over C10-C28)	3830		250	mg/Kg		05/12/23 21:07	05/13/23 23:31	5
Oll Range Organics (Over C28-C36)	<250	U	250	mg/Kg		05/12/23 21:07	05/13/23 23:31	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	153	S1+	70 - 130			05/12/23 21:07	05/13/23 23:31	5

Method: EPA 300.0 - Anions, Id	on Chromatography	- Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2360	25.2	mg/Kg			05/13/23 23:06	5

70 - 130

106

Lab Sample ID: 880-28372-3 Client Sample ID: TT-2 @ 9' Date Collected: 05/11/23 07:55 **Matrix: Solid**

Date Received: 05/12/23 13:49

Released to Imaging: 12/14/2023 3:22:23 PM

Sample Depth: 9

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.04		0.0495	mg/Kg		05/16/23 09:51	05/16/23 17:00	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		56 - 150			05/16/23 09:51	05/16/23 17:00	50
4-Bromofluorobenzene (Surr)	93		68 - 152			05/16/23 09:51	05/16/23 17:00	50
Dibromofluoromethane (Surr)	80		53 - 142			05/16/23 09:51	05/16/23 17:00	50
Toluene-d8 (Surr)	102		70 - 130			05/16/23 00:51	05/16/23 17:00	50

Eurofins Midland

05/12/23 21:07 05/13/23 23:31

Lab Sample ID: 880-28372-3

05/12/23 21:07 05/13/23 23:53

Analyzed

05/13/23 23:11

Lab Sample ID: 880-28372-4

Prepared

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 9'

Date Collected: 05/11/23 07:55 Date Received: 05/12/23 13:49

Sample Depth: 9

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	38.2		2.48	mg/Kg		05/16/23 09:51	05/17/23 14:57	500
Ethylbenzene	46.8		0.495	mg/Kg		05/16/23 09:51	05/17/23 14:57	500
m,p-Xylenes	60.0		0.990	mg/Kg		05/16/23 09:51	05/17/23 14:57	500
o-Xylene	26.3		0.495	mg/Kg		05/16/23 09:51	05/17/23 14:57	500
Xylenes, Total	86.3		0.990	mg/Kg		05/16/23 09:51	05/17/23 14:57	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		56 - 150			05/16/23 09:51	05/17/23 14:57	500
4-Bromofluorobenzene (Surr)	99		68 - 152			05/16/23 09:51	05/17/23 14:57	500
Dibromofluoromethane (Surr)	88		53 - 142			05/16/23 09:51	05/17/23 14:57	500
Toluene-d8 (Surr)	99		70 - 130			05/16/23 09:51	05/17/23 14:57	500
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	172		0.990	mg/Kg			05/17/23 16:31	1
Method: SW846 8015 NM - Die	esel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6870		249	mg/Kg			05/15/23 16:59	1
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2520		249	mg/Kg		05/12/23 21:07	05/13/23 23:53	5
Diesel Range Organics (Over C10-C28)	4350		249	mg/Kg		05/12/23 21:07	05/13/23 23:53	5
Oll Range Organics (Over C28-C36)	<249	U	249	mg/Kg		05/12/23 21:07	05/13/23 23:53	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	164	S1+	70 - 130			05/12/23 21:07	05/13/23 23:53	- 5

Client Sample ID: TT-2 @ 10'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

106

2430

Result Qualifier

Date Collected: 05/11/23 08:00

Released to Imaging: 12/14/2023 3:22:23 PM

Date Received: 05/12/23 13:49

Sample Depth: 10

o-Terphenyl

Analyte

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0501	U	0.0501	mg/Kg		05/16/23 09:51	05/16/23 17:33	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		56 - 150			05/16/23 09:51	05/16/23 17:33	50
4-Bromofluorobenzene (Surr)	95		68 - 152			05/16/23 09:51	05/16/23 17:33	50
Dibromofluoromethane (Surr)	94		53 - 142			05/16/23 09:51	05/16/23 17:33	50
Toluene-d8 (Surr)	106		70 - 130			05/16/23 09:51	05/16/23 17:33	50

70 - 130

25.1

Unit

mg/Kg

Eurofins Midland

5

Matrix: Solid

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 10'

Date Collected: 05/11/23 08:00 Date Received: 05/12/23 13:49

Sample Depth: 10

Lab Sample	ID: 880-28372-4
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Matrix: Solid

Method: SW846 8260C - Vo	_	•	•					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	11.7		2.51	mg/Kg		05/16/23 09:51	05/17/23 15:18	500
Ethylbenzene	21.0		0.501	mg/Kg		05/16/23 09:51	05/17/23 15:18	500
m,p-Xylenes	25.2		1.00	mg/Kg		05/16/23 09:51	05/17/23 15:18	500
o-Xylene	11.7		0.501	mg/Kg		05/16/23 09:51	05/17/23 15:18	500
Xylenes, Total	36.9		1.00	mg/Kg		05/16/23 09:51	05/17/23 15:18	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		56 - 150			05/16/23 09:51	05/17/23 15:18	500
4-Bromofluorobenzene (Surr)	109		68 - 152			05/16/23 09:51	05/17/23 15:18	500
Dibromofluoromethane (Surr)	92		53 - 142			05/16/23 09:51	05/17/23 15:18	500
Toluene-d8 (Surr)	99		70 - 130			05/16/23 09:51	05/17/23 15:18	500

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL Unit D

91

112

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total BTEX
 69.6
 1.00
 mg/Kg
 05/17/23 16:31
 1

 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

 Analyte
 Result Total TPH
 Qualifier Qualifier S0.0
 RL mg/Kg
 Unit mg/Kg
 D mg/Kg
 Prepared Prepared Total Televation (05/15/23 16:59)
 Dil Fac Dil F

Total TPH 3950 50.0 mg/Kg 05/15/23 16:59

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte Result Qualifier RL Unit D Prepared Analyzed

50.0 **Gasoline Range Organics** 1120 05/12/23 21:07 05/14/23 01:39 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 50.0 mg/Kg 05/12/23 21:07 05/14/23 01:39 2830 Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/12/23 21:07 05/14/23 01:39

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 137 S1+ 70 - 130 05/12/23 21:07 05/14/23 01:39 76 o-Terphenyl 70 - 130 05/12/23 21:07 05/14/23 01:39

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResult QualifierRL QualifierUnit MEDICAL MEDIC

Client Sample ID: TT-2 @ 11'

Lab Sample ID: 880-28372-5

Date Collected: 05/11/23 08:05 Date Received: 05/12/23 13:49

Sample Depth: 11

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Method: SW846 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier Unit Prepared Analyzed Dil Fac Benzene 0.142 0.0495 mg/Kg 05/16/23 09:51 05/16/23 18:00 Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 56 - 150 107 05/16/23 09:51 05/16/23 18:00 50 4-Bromofluorobenzene (Surr) 102 68 - 152 05/16/23 09:51 05/16/23 18:00 50

53 - 142

70 - 130

Eurofins Midland

05/16/23 18:00

05/16/23 09:51

05/16/23 09:51 05/16/23 18:00

4

6

J 6

11

13

14

Dil Fac

80-28372-5 Matrix: Solid

Dil Fac

50

50

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 11'

Date Collected: 05/11/23 08:05 Date Received: 05/12/23 13:49

Sample Depth: 11

Lab Sample ID: 880-28372-5

Matrix: Solid

Organic Compounds b	•					5
D 14		1114	 Daniel and a second	A	D'11 E	_

Method: SW846 8260C - Vo	olatile Organic	Compoun	ds by GC/MS -	DL				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	26.2		2.48	mg/Kg		05/16/23 09:51	05/17/23 15:13	500
Ethylbenzene	38.4		0.495	mg/Kg		05/16/23 09:51	05/17/23 15:13	500
m,p-Xylenes	43.0		0.990	mg/Kg		05/16/23 09:51	05/17/23 15:13	500
o-Xylene	18.9		0.495	mg/Kg		05/16/23 09:51	05/17/23 15:13	500
Xylenes, Total	61.9		0.990	mg/Kg		05/16/23 09:51	05/17/23 15:13	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		56 - 150			05/16/23 09:51	05/17/23 15:13	500
4-Bromofluorobenzene (Surr)	90		68 - 152			05/16/23 09:51	05/17/23 15:13	500
Dibromofluoromethane (Surr)	05		53 142			05/16/23 00:51	05/17/23 15:13	500

Method: TAL SOP Total BTEX - Total	BTEX Calculation	on			
Toluene-d8 (Surr)	99	70 - 130	05/16/23 09:51	05/17/23 15:13	500
Dibromofluoromethane (Surr)	95	53 - 142	05/16/23 09:51	05/17/23 15:13	500
4-Bromofluorobenzene (Surr)	90	68 - 152	05/16/23 09:51	05/17/23 15:13	500

Method: TAL SUP Total BTEX	· Total BTEX Calculation	On					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	127	0.990	mg/Kg			05/17/23 16:28	1
_							

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	6900	249	mg/Kg			05/15/23 16:59	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2520		249	mg/Kg		05/12/23 21:07	05/14/23 03:05	5
Diesel Range Organics (Over C10-C28)	4380		249	mg/Kg		05/12/23 21:07	05/14/23 03:05	5
Oll Range Organics (Over C28-C36)	<249	U	249	mg/Kg		05/12/23 21:07	05/14/23 03:05	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130			05/12/23 21:07	05/14/23 03:05	5
o-Terphenyl	97		70 - 130			05/12/23 21:07	05/14/23 03:05	5

Mathadi FDA 200 0 Aniana Ia	on Charama	ta ama mba .	Calubia					
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit		Prepared	Analyzed	Dil Fac
Chloride	307		5.01	mg/Kg			05/13/23 23:22	1

Client Sample ID: TT-2 @ 12'	Lab Sample ID: 880-28372-6
·	
Date Collected: 05/11/23 08:10	Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 12

Method: SW846 8260C - Volatile Organic Compounds by GC/MS										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.198	U	0.198	mg/Kg		05/16/23 09:51	05/17/23 17:19	200		
Toluene	3.32		0.990	mg/Kg		05/16/23 09:51	05/17/23 17:19	200		
Ethylbenzene	8.35		0.198	mg/Kg		05/16/23 09:51	05/17/23 17:19	200		
m,p-Xylenes	12.0		0.396	mg/Kg		05/16/23 09:51	05/17/23 17:19	200		
o-Xylene	5.14		0.198	mg/Kg		05/16/23 09:51	05/17/23 17:19	200		
Xylenes, Total	17.1		0.396	mg/Kg		05/16/23 09:51	05/17/23 17:19	200		

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 12'

Date Collected: 05/11/23 08:10 Date Received: 05/12/23 13:49

Sample Depth: 12

Lab	Sample	ID: 880	-28372-6
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Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		56 - 150			05/16/23 09:51	05/17/23 17:19	200
4-Bromofluorobenzene (Surr)	93		68 - 152			05/16/23 09:51	05/17/23 17:19	200
Dibromofluoromethane (Surr)	91		53 - 142			05/16/23 09:51	05/17/23 17:19	200
Toluene-d8 (Surr)	95		70 - 130			05/16/23 09:51	05/17/23 17:19	200
Method: TAL SOP Total BT Analyte	EX - Total BTEX Result (ion RL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier			D	Prepared		Dil Fac
_Total BTEX	28.8		0.396	mg/Kg			05/17/23 18:18	1
-								
Method: SW846 8015 NM -	Diesel Range O	rganics (DRO) (GC)					

7 tilaly to	rtocuit quaimoi	• • • •	0	_	opa.oa	7 11. la.ly 20 a	D uo
Total TPH	2630	49.8	mg/Kg			05/15/23 16:59	1
Method: SW846 8015B NM - D	iesel Range Organics (I	DRO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analvzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	05/12/23 21:07	05/14/23 00:14	1
Diesel Range Organics (Over C10-C28)	1780		49.8	mg/Kg	05/12/23 21:07	05/14/23 00:14	1
Gasoline Range Organics (GRO)-C6-C10	854		49.8	mg/Kg	05/12/23 21:07	05/14/23 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130	05/12/23 21:07	05/14/23 00:14	1
o-Terphenyl	89		70 - 130	05/12/23 21:07	05/14/23 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	182	4.95	mg/Kg			05/13/23 23:38	1

Client Sample ID: TT-2 @ 13' Lab Sample ID: 880-28372-7

Date Collected: 05/11/23 08:15 Date Received: 05/12/23 13:49

Sample Depth: 13

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0501	U	0.0501	mg/Kg		05/16/23 09:51	05/16/23 18:55	50
Toluene	0.532	*1	0.251	mg/Kg		05/16/23 09:51	05/16/23 18:55	50
Ethylbenzene	2.49		0.0501	mg/Kg		05/16/23 09:51	05/16/23 18:55	50
m,p-Xylenes	3.40	*1	0.100	mg/Kg		05/16/23 09:51	05/16/23 18:55	50
o-Xylene	1.83		0.0501	mg/Kg		05/16/23 09:51	05/16/23 18:55	50
Xylenes, Total	5.23		0.100	mg/Kg		05/16/23 09:51	05/16/23 18:55	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			56 - 150			05/16/23 09:51	05/16/23 18:55	50
4-Bromofluorobenzene (Surr)	99		68 - 152			05/16/23 09:51	05/16/23 18:55	50
Dibromofluoromethane (Surr)	96		53 - 142			05/16/23 09:51	05/16/23 18:55	50
Toluene-d8 (Surr)	100		70 - 130			05/16/23 09:51	05/16/23 18:55	50
_ Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Daa!4	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Midland

05/17/23 16:28

0.100

mg/Kg

8.25

Matrix: Solid

Job ID: 880-28372-1

Lab Sample ID: 880-28372-8

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: 880-28372-7 Client Sample ID: TT-2 @ 13' Matrix: Solid

Date Collected: 05/11/23 08:15 Date Received: 05/12/23 13:49

Sample Depth: 13

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	1970		49.8	mg/Kg			05/15/23 16:59	1		

1970		49.0	mg/rxg			03/13/23 10.39	1
iesel Range	Organics	(DRO) (GC)					
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
363		49.8	mg/Kg		05/12/23 21:07	05/14/23 01:18	1
1610		49.8	mg/Kg		05/12/23 21:07	05/14/23 01:18	1
<49.8	U	49.8	mg/Kg		05/12/23 21:07	05/14/23 01:18	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
124		70 - 130			05/12/23 21:07	05/14/23 01:18	1
84		70 - 130			05/12/23 21:07	05/14/23 01:18	1
	Result	Result Qualifier 363 1610 <49.8 U %Recovery 124 Qualifier Qualifier Qualifier Qualifier	Niesel Range Organics (DRO) (GC) Result Qualifier RL 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 49.8 4	Niesel Range Organics (DRO) (GC) Result Qualifier RL Unit mg/Kg	Niesel Range Organics (DRO) (GC) Result Qualifier RL Unit mg/Kg	Niesel Range Organics (DRO) (GC) Result Qualifier RL Unit mg/Kg D Prepared 05/12/23 21:07	Niesel Range Organics (DRO) (GC) Result Qualifier RL Unit mg/Kg D Prepared 05/12/23 21:07 05/14/23 01:18

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
1	nalyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	178		4.96	mg/Kg			05/13/23 23:43	1

Client Sample ID: TT-2 @ 14'

Date Collected: 05/11/23 08:20

Date Received: 05/12/23 13:49

Sample Depth: 14

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0503	U	0.0503	mg/Kg		05/16/23 09:51	05/16/23 16:22	50
Toluene	<0.252	U *1	0.252	mg/Kg		05/16/23 09:51	05/16/23 16:22	50
Ethylbenzene	0.0507		0.0503	mg/Kg		05/16/23 09:51	05/16/23 16:22	50
m,p-Xylenes	<0.101	U *1	0.101	mg/Kg		05/16/23 09:51	05/16/23 16:22	50
o-Xylene	< 0.0503	U	0.0503	mg/Kg		05/16/23 09:51	05/16/23 16:22	50
Xylenes, Total	<0.101	U	0.101	mg/Kg		05/16/23 09:51	05/16/23 16:22	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		56 - 150			05/16/23 09:51	05/16/23 16:22	50
4-Bromofluorobenzene (Surr)	89		68 - 152			05/16/23 09:51	05/16/23 16:22	50
Dibromofluoromethane (Surr)	96		53 - 142			05/16/23 09:51	05/16/23 16:22	50
Toluene-d8 (Surr)	98		70 - 130			05/16/23 09:51	05/16/23 16:22	50

Wethod: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.101	U	0.101	mg/Kg			05/17/23 16:28	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result Q	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Total TPH	530	50.0	mg/Kg			05/15/23 16:59	1	

Method: SW846 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		05/12/23 21:07	05/14/23 00:36	1		
Diesel Range Organics (Over C10-C28)	530		50.0	mg/Kg		05/12/23 21:07	05/14/23 00:36	1		

Eurofins Midland

Matrix: Solid

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 14'

Date Collected: 05/11/23 08:20 Date Received: 05/12/23 13:49

Sample Depth: 14

Lab Sample ID: 880-28372-8

Lab Sample ID: 880-28372-9

05/16/23 09:51 05/16/23 19:22

05/16/23 09:51 05/16/23 19:22

Matrix: Solid

Job ID: 880-28372-1

Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 05/12/23 21:07 05/14/23 00:36 Oll Range Organics (Over C28-C36) mg/Kg %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 70 - 130 05/12/23 21:07 05/14/23 00:36 1-Chlorooctane 147 S1+ o-Terphenyl 114 70 - 130 05/12/23 21:07 05/14/23 00:36

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit D Dil Fac RL Prepared Analyzed Chloride 60.7 5.05 mg/Kg 05/13/23 23:49

Client Sample ID: TT-2 @ 15'

Date Collected: 05/11/23 08:25

Date Received: 05/12/23 13:49

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Sample Depth: 15

Method: SW846 8260C - Volatile Organic Compounds by GC/MS										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	0.0762		0.0502	mg/Kg		05/16/23 09:51	05/16/23 19:22	50		
Toluene	4.07	*1	0.251	mg/Kg		05/16/23 09:51	05/16/23 19:22	50		
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)			56 - 150			05/16/23 09:51	05/16/23 19:22	50		
4-Bromofluorobenzene (Surr)	94		68 - 152			05/16/23 09:51	05/16/23 19:22	50		

53 - 142

70 - 130

95

99

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL Analyte Result Qualifier RI Unit **Prepared** Analyzed Dil Fac **Ethylbenzene** 12.7 0.201 mg/Kg 05/16/23 09:51 05/17/23 17:47 200 m,p-Xylenes 16.3 0.402 mg/Kg 05/16/23 09:51 05/17/23 17:47 200 0.201 05/16/23 09:51 05/17/23 17:47 200 mg/Kg o-Xylene 7.44 0.402 05/16/23 09:51 05/17/23 17:47 200 **Xylenes, Total** 23.7 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 97 56 - 150 05/16/23 09:51 05/17/23 17:47 200 98 4-Bromofluorobenzene (Surr) 68 - 152 05/16/23 09:51 05/17/23 17:47 200 Dibromofluoromethane (Surr) 90 53 - 142 05/16/23 09:51 05/17/23 17:47 200 90 70 - 130 Toluene-d8 (Surr) 05/16/23 09:51 05/17/23 17:47 200 **Method: TAL SOP Total BTEX - Total BTEX Calculation** Analyte Result Qualifier Unit RL Prepared Analyzed Dil Fac 0.402 05/17/23 18:18 **Total BTEX** 40.6 mg/Kg

	Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)								
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	3600		49.9	mg/Kg			05/15/23 16:59	1
ì	_								

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	1210		49.9	mg/Kg		05/12/23 21:07	05/14/23 02:00	1
	(GRO)-C6-C10								

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50

50

Project/Site: HEP: Hobbs Station TK 5202

Date Received: 05/12/23 13:49

Sample Depth: 15

Client Sample ID: TT-2 @ 15'	Lab Sample ID: 880-28372-9
Data Callacted: 05/11/23 08:25	Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	2390		49.9	mg/Kg		05/12/23 21:07	05/14/23 02:00	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:07	05/14/23 02:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130			05/12/23 21:07	05/14/23 02:00	1
o-Terphenyl	91		70 - 130			05/12/23 21:07	05/14/23 02:00	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography -	Soluble					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	226		5.05	mg/Kg			05/13/23 23:54	

Client Sample ID: TT-2 @ 16' Lab Sample ID: 880-28372-10

Date Collected: 05/11/23 08:30 Date Received: 05/12/23 13:49

Sample Depth: 16

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.229		0.0495	mg/Kg		05/16/23 09:51	05/16/23 19:49	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			56 - 150			05/16/23 09:51	05/16/23 19:49	50
4-Bromofluorobenzene (Surr)	101		68 - 152			05/16/23 09:51	05/16/23 19:49	50
Dibromofluoromethane (Surr)	95		53 - 142			05/16/23 09:51	05/16/23 19:49	50
Toluene-d8 (Surr)	104		70 - 130			05/16/23 00:51	05/16/23 19:49	50

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	9.19		2.48	mg/Kg		05/16/23 09:51	05/17/23 15:38	500
Ethylbenzene	19.0		0.495	mg/Kg		05/16/23 09:51	05/17/23 15:38	500
m,p-Xylenes	22.2		0.990	mg/Kg		05/16/23 09:51	05/17/23 15:38	500
o-Xylene	10.1		0.495	mg/Kg		05/16/23 09:51	05/17/23 15:38	500
Xylenes, Total	32.3		0.990	mg/Kg		05/16/23 09:51	05/17/23 15:38	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150			05/16/23 09:51	05/17/23 15:38	500
4-Bromofluorobenzene (Surr)	106		68 - 152			05/16/23 09:51	05/17/23 15:38	500
Dibromofluoromethane (Surr)	90		53 - 142			05/16/23 09:51	05/17/23 15:38	500
Toluene-d8 (Surr)	100		70 - 130			05/16/23 09:51	05/17/23 15:38	500
Method: TAL SOP Total BT	EX - Total BTEX	Calculat	ion					
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	60.7		0.990	mg/Kg			05/17/23 16:31	1

Unit

mg/Kg

3990

Result Qualifier

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyzed

05/15/23 16:59

Prepared

RL

49.9

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Matrix: Solid

Dil Fac

Analyte

Total TPH

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 16'

Date Collected: 05/11/23 08:30 Date Received: 05/12/23 13:49

Sample Depth: 16

Lab Sample ID: 880-28372-10

Lab Sample ID: 880-28372-11

Matrix: Solid

Job ID: 880-28372-1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac 49.9 05/12/23 21:07 05/14/23 02:22 **Gasoline** Range Organics 1470 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 49.9 mg/Kg 05/12/23 21:07 05/14/23 02:22 2520 C10-C28) 05/12/23 21:07 05/14/23 02:22 Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg %Recovery Qualifier Dil Fac Surrogate Limits Prepared Analyzed 1-Chlorooctane 132 S1+ 70 - 130 05/12/23 21:07 05/14/23 02:22 o-Terphenyl 76 70 - 130 05/12/23 21:07 05/14/23 02:22

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit D **Prepared** Analyzed Dil Fac Chloride 4.98 05/14/23 00:00 58.4 mg/Kg

Client Sample ID: TT-4 @ 13'

Date Collected: 05/11/23 09:35

Date Received: 05/12/23 13:49

Sample Depth: 13

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.14		0.502	mg/Kg		05/16/23 09:51	05/17/23 15:34	500
Toluene	46.0		2.51	mg/Kg		05/16/23 09:51	05/17/23 15:34	500
Ethylbenzene	39.9		0.502	mg/Kg		05/16/23 09:51	05/17/23 15:34	500
m,p-Xylenes	43.1		1.00	mg/Kg		05/16/23 09:51	05/17/23 15:34	500
o-Xylene	22.0		0.502	mg/Kg		05/16/23 09:51	05/17/23 15:34	500
Xylenes, Total	65.1		1.00	mg/Kg		05/16/23 09:51	05/17/23 15:34	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		56 - 150			05/16/23 09:51	05/17/23 15:34	500
4-Bromofluorobenzene (Surr)	94		68 - 152			05/16/23 09:51	05/17/23 15:34	500
Dibromofluoromethane (Surr)	93		53 - 142			05/16/23 09:51	05/17/23 15:34	500
Toluene-d8 (Surr)	105		70 400			05/40/00 00 54	05/17/23 15:34	500
Toluene-uo (Sull)	105		70 - 130			05/16/23 09:51	05/17/23 15:34	500
·		Y Calculat				05/16/23 09:51	05/17/23 15:34	500
Method: TAL SOP Total BTEX Analyte	- Total BTE	X Calculat Qualifier		Unit	D	05/16/23 09:51 Prepared	4 Analyzed	Dil Fac
Method: TAL SOP Total BTEX	- Total BTE		ion	Unit mg/Kg	<u>D</u>			
Method: TAL SOP Total BTEX Analyte Total BTEX	Result	Qualifier	ion RL 1.00		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTE Result 155 esel Range	Qualifier	ion RL 1.00		<u>D</u>		Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did	- Total BTE Result 155 esel Range	Qualifier Organics (ion RL 1.00 DRO) (GC)	mg/Kg	_ =	Prepared	Analyzed 05/17/23 16:28	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	Result 155 esel Range Result 7050	Qualifier Organics (Qualifier	RL 1.00 DRO) (GC) RL 249	mg/Kg	_ =	Prepared	Analyzed 05/17/23 16:28 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	Result 155 esel Range Result 7050 Diesel Range	Qualifier Organics (Qualifier	RL 1.00 DRO) (GC) RL 249	mg/Kg	_ =	Prepared	Analyzed 05/17/23 16:28 Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics	Result 155 esel Range Result 7050 Diesel Range	Qualifier Organics (Qualifier Organics	DRO) (GC) RL 249 (DRO) (GC)	mg/Kg Unit mg/Kg	<u></u> <u>D</u>	Prepared Prepared	Analyzed 05/17/23 16:28 Analyzed 05/15/23 16:59	Dil Fac Dil Fac 1 Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte	Result 155 esel Range Result 7050 Diesel Range Result	Qualifier Organics (Qualifier Organics	DRO) (GC) RL 249 (DRO) (GC) RL	mg/Kg Unit mg/Kg Unit	<u></u> <u>D</u>	Prepared Prepared	Analyzed 05/17/23 16:28 Analyzed 05/15/23 16:59 Analyzed	Dil Fac Dil Fac

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Analyzed

05/12/23 21:07 05/14/23 03:26

Prepared

Limits

70 - 130

%Recovery Qualifier

148 S1+

Matrix: Solid

Dil Fac

Surrogate

1-Chlorooctane

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-4 @ 13'

Lab Sample ID: 880-28372-11

Date Collected: 05/11/23 09:35 **Matrix: Solid** Date Received: 05/12/23 13:49

Sample Depth: 13

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97	70 - 130	05/12/23 21:07	05/14/23 03:26	5

Method: EPA 300.0 - Anions, Id	on Chromatography - Soluble
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.8		5.03	mg/Kg			05/14/23 00:05	1

Client Sample ID: TT-4 @ 14'

Date Collected: 05/11/23 09:40

Date Received: 05/12/23 13:49

Sample Depth: 14

	Method:	SW846	8260C	- Volatile	Organic	Compounds	s by GC/MS
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Analyte	Result	Qualifier	KL	Unit	ט	Prepared	Anaiyzed	DII Fac
Benzene	3.61		0.100	mg/Kg		05/16/23 09:51	05/17/23 12:30	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		56 - 150			05/16/23 09:51	05/17/23 12:30	100
4-Bromofluorobenzene (Surr)	99		68 - 152			05/16/23 09:51	05/17/23 12:30	100
Dibromofluoromethane (Surr)	96		53 - 142			05/16/23 09:51	05/17/23 12:30	100
Toluene-d8 (Surr)	108		70 - 130			05/16/23 09:51	05/17/23 12:30	100

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	32.7	5.02	mg/Kg		05/16/23 09:51	05/17/23 13:43	1000
Ethylbenzene	33.8	1.00	mg/Kg		05/16/23 09:51	05/17/23 13:43	1000
m,p-Xylenes	42.4	2.01	mg/Kg		05/16/23 09:51	05/17/23 13:43	1000
o-Xylene	17.9	1.00	mg/Kg		05/16/23 09:51	05/17/23 13:43	1000
Xylenes, Total	60.3	2.01	mg/Kg		05/16/23 09:51	05/17/23 13:43	1000
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Anaiyzea	DII Fac	
1,2-Dichloroethane-d4 (Surr)	87		56 - 150	05/16/23 09:51	05/17/23 13:43	1000	
4-Bromofluorobenzene (Surr)	93		68 - 152	05/16/23 09:51	05/17/23 13:43	1000	
Dibromofluoromethane (Surr)	90		53 - 142	05/16/23 09:51	05/17/23 13:43	1000	
Toluene-d8 (Surr)	96		70 - 130	05/16/23 09:51	05/17/23 13:43	1000	

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	U	nit	D	Prepared	Analyzed	Dil Fac
Total BTEX	130		2.01	m	ng/Kg	_		05/17/23 16:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6430		249	mg/Kg			05/15/23 16:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2340		249	mg/Kg		05/12/23 21:07	05/14/23 03:47	5
Diesel Range Organics (Over C10-C28)	4090		249	mg/Kg		05/12/23 21:07	05/14/23 03:47	5
Oll Range Organics (Over C28-C36)	<249	U	249	mg/Kg		05/12/23 21:07	05/14/23 03:47	5

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Matrix: Solid

Lab Sample ID: 880-28372-12

Project/Site: HEP: Hobbs Station TK 5202

Da Date Received: 05/12/23 13:49

Sample Depth: 14

Slient Sample ID: TT-4 @ 14'	Lab Sample ID: 880-28372-12
ate Collected: 05/11/23 09:40	Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	143	S1+	70 - 130	05/12/23 21:07	05/14/23 03:47	5
o-Terphenyl	96		70 - 130	05/12/23 21:07	05/14/23 03:47	5

 Method: EPA 300.0 - Anions, Id	on Chromat	ography - :	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.0		5.01	mg/Kg			05/14/23 00:21	1

Client Sample ID: TT-4 @ 15'

Date Collected: 05/11/23 09:45 Date Received: 05/12/23 13:49

Sample Depth: 15

Dibromofluoromethane (Surr)

Released to Imaging: 12/14/2023 3:22:23 PM

Toluene-d8 (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.63		0.100	mg/Kg		05/16/23 09:51	05/17/23 12:51	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		56 - 150			05/16/23 09:51	05/17/23 12:51	100
4-Bromofluorobenzene (Surr)	102		68 - 152			05/16/23 09:51	05/17/23 12:51	100
Dibromofluoromethane (Surr)	95		53 - 142			05/16/23 09:51	05/17/23 12:51	100
Toluene-d8 (Surr)	117		70 - 130			05/16/23 09:51	05/17/23 12:51	100

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	21.5		5.02	mg/Kg		05/16/23 09:51	05/17/23 14:07	1000
Ethylbenzene	20.4		1.00	mg/Kg		05/16/23 09:51	05/17/23 14:07	1000
m,p-Xylenes	22.1		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:07	1000
o-Xylene	12.3		1.00	mg/Kg		05/16/23 09:51	05/17/23 14:07	1000
Xylenes, Total	34.4		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:07	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		56 - 150			05/16/23 09:51	05/17/23 14:07	1000
4-Bromofluorobenzene (Surr)	98		68 - 152			05/16/23 09:51	05/17/23 14:07	1000

_								
Method: TAL SOP Total BTEX	- Total BTEX Calculation	on						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total RTFY	77 9	2 01	ma/Ka			05/17/23 16:28		

53 - 142

70 - 130

92

Method: SW846 8015 NM - Die	sel Range Org	ganics (DRO) (GC)					
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6940	250	mg/Kg			05/15/23 16:59	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2810	250	mg/Kg		05/12/23 21:07	05/14/23 04:08	5
Diesel Range Organics (Over C10-C28)	4130	250	mg/Kg		05/12/23 21:07	05/14/23 04:08	5
Oll Range Organics (Over C28-C36)	<250 U	250	mg/Kg		05/12/23 21:07	05/14/23 04:08	5

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-28372-13

05/16/23 09:51 05/17/23 14:07

05/16/23 09:51 05/17/23 14:07

1000

1000

Matrix: Solid

Lab Sample ID: 880-28372-13

Lab Sample ID: 880-28372-14

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP : Hobbs Station TK 5202

Client Sample ID: TT-4 @ 15'

Date Collected: 05/11/23 09:45 Date Received: 05/12/23 13:49

Sample Depth: 15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	05/12/23 21:07	05/14/23 04:08	5
o-Terphenyl	110		70 - 130	05/12/23 21:07	05/14/23 04:08	5

Method: EPA 300.0 - Anions, I	on Chromatography - S	oluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2	4.97	mg/Kg			05/14/23 00:26	1

Client Sample ID: TT-4 @ 16'

Method: SW846 8260C - Volatile Organic Compounds by GC/MS - DL

Date Collected: 05/11/23 09:50

Date Received: 05/12/23 13:49

Sample Depth: 16

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.762		0.201	mg/Kg		05/16/23 09:51	05/17/23 13:20	200
Toluene	24.1		1.01	mg/Kg		05/16/23 09:51	05/17/23 13:20	200
o-Xylene	20.6		0.201	mg/Kg		05/16/23 09:51	05/17/23 13:20	200
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		56 - 150			05/16/23 09:51	05/17/23 13:20	200
4-Bromofluorobenzene (Surr)	93		68 - 152			05/16/23 09:51	05/17/23 13:20	200
Dibromofluoromethane (Surr)	90		53 - 142			05/16/23 09:51	05/17/23 13:20	200
Toluene-d8 (Surr)	107		70 - 130			05/16/02 00:51	05/17/23 13:20	200

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	36.2		1.01	mg/Kg		05/16/23 09:51	05/17/23 14:50	1000
m,p-Xylenes	45.7		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:50	1000
Xylenes, Total	66.8		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:50	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		56 - 150			05/16/23 09:51	05/17/23 14:50	1000
4-Bromofluorobenzene (Surr)	90		68 - 152			05/16/23 09:51	05/17/23 14:50	1000
Dibromofluoromethane (Surr)	91		53 - 142			05/16/23 09:51	05/17/23 14:50	1000
Toluene-d8 (Surr)	101		70 - 130			05/16/23 09:51	05/17/23 14:50	1000

Method: TAL SOP Total BTEX	- Total BTE	X Calculati	on					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	127		2.01	mg/Kg			05/17/23 16:28	1

Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	5060		49.9	mg/Kg			05/15/23 16:59	1

Method: SW846 8015B NM - Die	esel Range Organics	(DRO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1970	49.9	mg/Kg		05/12/23 21:07	05/14/23 02:43	1
Diesel Range Organics (Over C10-C28)	3090	49.9	mg/Kg		05/12/23 21:07	05/14/23 02:43	1
Oll Range Organics (Over C28-C36)	<49.9 U	49.9	mg/Kg		05/12/23 21:07	05/14/23 02:43	1

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Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-4 @ 16'

Date Collected: 05/11/23 09:50 Date Received: 05/12/23 13:49

Sample Depth: 16

Lab	Sample	ID:	880-28372-14	4

Lab Sample ID: 880-28372-15

Job ID: 880-28372-1

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130	05/12/23 21:07	05/14/23 02:43	1
o-Terphenyl	74		70 - 130	05/12/23 21:07	05/14/23 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit Prepared Analyzed Dil Fac Chloride 4.96 05/14/23 00:42 47.0 mg/Kg

Client Sample ID: Dup-01

Date Collected: 05/11/23 00:00 Date Received: 05/12/23 13:49

Sample Depth: 13

Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.43		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:29	2000
Toluene	43.3		10.1	mg/Kg		05/16/23 09:51	05/17/23 14:29	2000
Ethylbenzene	38.2		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:29	2000
m,p-Xylenes	42.1		4.02	mg/Kg		05/16/23 09:51	05/17/23 14:29	2000
o-Xylene	21.0		2.01	mg/Kg		05/16/23 09:51	05/17/23 14:29	2000
Xylenes, Total	63.1		4.02	mg/Kg		05/16/23 09:51	05/17/23 14:29	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	94		56 - 150	05/16/23 09:51	05/17/23 14:29	2000	
4-Bromofluorobenzene (Surr)	90		68 - 152	05/16/23 09:51	05/17/23 14:29	2000	
Dibromofluoromethane (Surr)	92		53 - 142	05/16/23 09:51	05/17/23 14:29	2000	
Toluene-d8 (Surr)	95		70 - 130	05/16/23 09:51	05/17/23 14:29	2000	

Method: TAL SOP Total BTEX	- Total BTE	(Calculation	on					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	148		4.02	mg/Kg			05/17/23 16:28	1

Method: SW846 8015 NM - Dies	sei Range Or	ganics (DR	(O) (GC)					
Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7740		250	mg/Kg			05/15/23 16:59	1

Total TPH	7740	250	mg/Kg	<u> </u>	05/15/23 16:59	1	
Method: SW846 8015B NM - D	iesel Range Organics	(DRO) (GC)					

	recor runinge enganne						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3000	250	mg/Kg		05/12/23 21:07	05/14/23 04:29	5
Diesel Range Organics (Over C10-C28)	4740	250	mg/Kg		05/12/23 21:07	05/14/23 04:29	5
Oll Range Organics (Over C28-C36)	<250 U	250	mg/Kg		05/12/23 21:07	05/14/23 04:29	5
Surrogate	%Recovery Qualifier	l imits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130	05/12/23 21:07	05/14/23 04:29	5
o-Terphenyl	96		70 - 130	05/12/23 21:07	05/14/23 04:29	5

	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	95.7	5.03	mg/Kg			05/14/23 00:48	1

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Matrix: Solid

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 5 Date

Date Received: 05/12/23 13:49

Sample Depth: 5

Analyte

Benzene

Toluene

Ethylbenzene

m,p-Xylenes

ent Sample ID: TT-5 @ 5'	Lab Sample ID: 880-28372-16
te Collected: 05/11/23 13:45	Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS Result Qualifier RL Unit D Prepared Analyzed Dil Fac <0.00100 U 0.00100 05/16/23 09:51 05/16/23 11:44 mg/Kg <0.00500 U 0.00500 mg/Kg 05/16/23 09:51 05/16/23 11:44 0.00100 05/16/23 11:44 <0.00100 U mg/Kg 05/16/23 09:51 <0.00200 U 0.00200 mg/Kg 05/16/23 09:51 05/16/23 11:44

o-Xylene <0.00100 U 0.00100 mg/Kg 05/16/23 09:51 05/16/23 11:44 Xylenes, Total <0.00200 U 0.00200 mg/Kg 05/16/23 09:51 05/16/23 11:44 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 05/16/23 09:51 05/16/23 11:44 103 56 - 150

4-Bromofluorobenzene (Surr) 103 68 - 152 05/16/23 09:51 05/16/23 11:44 Dibromofluoromethane (Surr) 91 53 - 142 05/16/23 09:51 05/16/23 11:44 Toluene-d8 (Surr) 97 70 - 130 05/16/23 09:51 05/16/23 11:44

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00200 U 05/17/23 15:48 0.00200 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac RL Total TPH <50.0 U 50.0 mg/Kg 05/15/23 16:59

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Unit D Dil Fac RLPrepared Analyzed

<50.0 U 50.0 Gasoline Range Organics mg/Kg 05/12/23 21:07 05/13/23 20:40 (GRO)-C6-C10 <50.0 U 50.0 05/12/23 21:07 05/13/23 20:40 Diesel Range Organics (Over mg/Kg C10-C28) mg/Kg Oll Range Organics (Over C28-C36) <50.0 U 50.0 05/12/23 21:07 05/13/23 20:40 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed

05/12/23 21:07 1-Chlorooctane 128 70 - 13005/13/23 20:40 o-Terphenyl 99 70 - 130 05/12/23 21:07 05/13/23 20:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RI Unit D Prepared Analyzed Dil Fac **Chloride** 60.9 5.02 mg/Kg 05/14/23 00:53

Client Sample ID: TT-5 @ 6' Lab Sample ID: 880-28372-17 Date Collected: 05/11/23 13:50 Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 6

o-Xylene

Xylenes, Total

Method: SW846 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.000990 U 0.000990 05/16/23 09:51 05/16/23 12:04 mg/Kg 0.00495 Toluene <0.00495 U mg/Kg 05/16/23 09:51 05/16/23 12:04 Ethylbenzene <0.000990 U 0.000990 mg/Kg 05/16/23 09:51 05/16/23 12:04 m,p-Xylenes <0.00198 U 0.00198 05/16/23 09:51 05/16/23 12:04 mq/Kq

0.000990

0.00198

mg/Kg

mg/Kg

<0.000990 U

<0.00198 U

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05/16/23 09:51 05/16/23 12:04

05/16/23 09:51 05/16/23 12:04

Lab Sample ID: 880-28372-17

Client: TRC Solutions, Inc.

Job ID: 880-28372-1

Project/Site: HEP : Hobbs Station TK 5202

Client Sample ID: TT-5 @ 6'

Date Collected: 05/11/23 13:50 Date Received: 05/12/23 13:49

Sample Depth: 6

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	56 - 150	05/16/23 09:51	05/16/23 12:04	1
4-Bromofluorobenzene (Surr)	101	68 - 152	05/16/23 09:51	05/16/23 12:04	1
Dibromofluoromethane (Surr)	90	53 - 142	05/16/23 09:51	05/16/23 12:04	1
Toluene-d8 (Surr)	96	70 - 130	05/16/23 09:51	05/16/23 12:04	1

Method: TAL SUP Total BTEX -	IOLAI DIE	x Calculation	ווכ					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198	mg/Kg			05/17/23 15:48	1

Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/23 16:59	1

Method: SW846 8015B NM - D	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		05/12/23 21:07	05/13/23 21:44	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/12/23 21:07	05/13/23 21:44	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/12/23 21:07	05/13/23 21:44	1
Surrogato	% Pacayory	Qualifier	Limite			Propored	Analyzod	Dil Esc

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/12/23 21:07	05/13/23 21:44	1
o-Terphenyl	99		70 - 130	05/12/23 21:07	05/13/23 21:44	1

Method: EPA 300.0 - Anions, I								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.8		4.99	mg/Kg			05/14/23 00:58	1

Client Sample ID: TT-5 @ 7'

Date Collected: 05/11/23 13:55

Lab Sample ID: 880-28372-18

Matrix: Solid

Date Collected: 05/11/23 13:55 Date Received: 05/12/23 13:49

Sample Depth: 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 12:25	1
Toluene	<0.00502	U	0.00502	mg/Kg		05/16/23 09:51	05/16/23 12:25	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 12:25	1
m,p-Xylenes	<0.00201	U	0.00201	mg/Kg		05/16/23 09:51	05/16/23 12:25	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 12:25	1
Xylenes, Total	<0.00201	U	0.00201	mg/Kg		05/16/23 09:51	05/16/23 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		56 - 150			05/16/23 09:51	05/16/23 12:25	1
4-Bromofluorobenzene (Surr)	101		68 - 152			05/16/23 09:51	05/16/23 12:25	1
Dibromofluoromethane (Surr)	91		53 - 142			05/16/23 09:51	05/16/23 12:25	1
Toluene-d8 (Surr)	98		70 - 130			05/16/23 09:51	05/16/23 12:25	1

Method: TAL SOP Total BTEX - Total BTEX CalculationAnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacTotal BTEX<0.00201</td>0.00201mg/Kg05/17/23 15:481

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Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 7'

Date Collected: 05/11/23 13:55 Date Received: 05/12/23 13:49

Sample Depth: 7

Lab Sample ID: 880-28372-18

05/12/23 21:07 05/13/23 22:05

Matrix: Solid

Job ID: 880-28372-1

Method: SW846 8015 NM - Die:	iesel Range Organics (DRO) (GC)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:59	1
Method: SW846 8015B NM - Di	esel Range	Organics (DRO) (GC)					

Result Qualifier RL Analyte Unit Prepared Analyzed Dil Fac <49.9 U 05/12/23 21:07 05/13/23 22:05 49.9 mg/Kg Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 49.9 mg/Kg 05/12/23 21:07 05/13/23 22:05 C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 05/12/23 21:07 05/13/23 22:05 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 05/12/23 21:07 05/13/23 22:05 1-Chlorooctane 130

Method: EPA 300.0 - Anions, Id	on Chromat	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	45.8		4.98	mg/Kg			05/14/23 01:04	1

70 - 130

Client Sample ID: TT-5 @ 8'

Date Received: 05/12/23 13:49

Sample Depth: 8

o-Terphenyl

Lab Sample ID: 880-28372-19 Date Collected: 05/11/23 14:00 **Matrix: Solid**

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

101

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00102	U	0.00102	mg/Kg		05/16/23 09:51	05/16/23 12:45	1
Toluene	<0.00509	U	0.00509	mg/Kg		05/16/23 09:51	05/16/23 12:45	1
Ethylbenzene	<0.00102	U	0.00102	mg/Kg		05/16/23 09:51	05/16/23 12:45	1
m,p-Xylenes	<0.00204	U	0.00204	mg/Kg		05/16/23 09:51	05/16/23 12:45	1
o-Xylene	<0.00102	U	0.00102	mg/Kg		05/16/23 09:51	05/16/23 12:45	1
Xylenes, Total	<0.00204	U	0.00204	mg/Kg		05/16/23 09:51	05/16/23 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150	05/16/23 09:51	05/16/23 12:45	1
4-Bromofluorobenzene (Surr)	102		68 - 152	05/16/23 09:51	05/16/23 12:45	1
Dibromofluoromethane (Surr)	91		53 - 142	05/16/23 09:51	05/16/23 12:45	1
Toluene-d8 (Surr)	98		70 - 130	05/16/23 09:51	05/16/23 12:45	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00204	U	0.00204	mg/Kg			05/17/23 15:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)
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Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 16:59	1

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		05/12/23 21:07	05/13/23 22:27	1
	(GRO)-C6-C10								
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/12/23 21:07	05/13/23 22:27	1
	C10-C28)								

Matrix: Solid

Lab Sample ID: 880-28372-19

Lab Sample ID: 880-28372-20

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 8'

Date Collected: 05/11/23 14:00 D

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Sample Depth: 8	Received: 05/12/23 13:49	
ounipio bopun o	ole Depth: 8	

Method: SW846 8015B NM - D	iesel Range	Organics	(DRO) (GC) (C	ontinued)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 21:07	05/13/23 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130			05/12/23 21:07	05/13/23 22:27	1
o-Ternhenyl	108		70 130			05/12/23 21:07	05/13/23 22:27	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.4		5.00	mg/Kg			05/14/23 01:09	1

Client Sample ID: TT-5 @ 9'

Date Collected: 05/11/23 14:05 Date Received: 05/12/23 13:49

Sample Depth: 9

Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.000992	U	0.000992	mg/Kg		05/16/23 09:51	05/16/23 13:06	1
< 0.00496	U	0.00496	mg/Kg		05/16/23 09:51	05/16/23 13:06	1
<0.000992	U	0.000992	mg/Kg		05/16/23 09:51	05/16/23 13:06	1
<0.00198	U	0.00198	mg/Kg		05/16/23 09:51	05/16/23 13:06	1
< 0.000992	U	0.000992	mg/Kg		05/16/23 09:51	05/16/23 13:06	1
<0.00198	U	0.00198	mg/Kg		05/16/23 09:51	05/16/23 13:06	1
	<0.000992 <0.00496 <0.000992 <0.00198 <0.000992	Result Qualifier	<0.000992 U 0.000992 <0.00496 U 0.00496 <0.000992 U 0.000992 <0.00198 U 0.00198 <0.000992 U 0.000992	<0.000992	<0.000992	<0.000992	<0.000992

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 - 150	05/16/23 09:51	05/16/23 13:06	1
4-Bromofluorobenzene (Surr)	101		68 - 152	05/16/23 09:51	05/16/23 13:06	1
Dibromofluoromethane (Surr)	94		53 - 142	05/16/23 09:51	05/16/23 13:06	1
Toluene-d8 (Surr)	96		70 - 130	05/16/23 09:51	05/16/23 13:06	1

Method: TAL SOP Total BTEX	- Total BTEX	(Calculati	on					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198	mg/Kg			05/17/23 15:48	1

Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 16:59	1

	100.0	J	00.0	mg/rtg			00/10/20 10:00	•
	esel 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		05/12/23 21:07	05/13/23 22:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 21:07	05/13/23 22:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 21:07	05/13/23 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	05/12/23 21:07	05/13/23 22:48	1
o-Terphenyl	99		70 - 130	05/12/23 21:07	05/13/23 22:48	1

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 9'

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-20 Date Collected: 05/11/23 14:05

Matrix: Solid

Sample Depth: 9

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.4		4.97	mg/Kg			05/14/23 01:14	1

Client Sample ID: TT-5 @ 10' Lab Sample ID: 880-28372-21

Date Collected: 05/11/23 14:10 Matrix: Solid

Date Received: 05/12/23 13:49

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Sample Depth: 10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990	mg/Kg		05/16/23 09:51	05/16/23 13:27	1
Toluene	< 0.00495	U	0.00495	mg/Kg		05/16/23 09:51	05/16/23 13:27	1
Ethylbenzene	<0.000990	U	0.000990	mg/Kg		05/16/23 09:51	05/16/23 13:27	1
m,p-Xylenes	<0.00198	U	0.00198	mg/Kg		05/16/23 09:51	05/16/23 13:27	1
o-Xylene	<0.000990	U	0.000990	mg/Kg		05/16/23 09:51	05/16/23 13:27	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		05/16/23 09:51	05/16/23 13:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150			05/16/23 09:51	05/16/23 13:27	1
4-Bromofluorobenzene (Surr)	102		68 - 152			05/16/23 09:51	05/16/23 13:27	1
Dibromofluoromethane (Surr)	92		53 - 142			05/16/23 09:51	05/16/23 13:27	1
Toluene-d8 (Surr)	99		70 - 130			05/16/23 09:51	05/16/23 13:27	1
Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198	mg/Kg			05/17/23 15:48	1
Method: SW846 8015 NM - Did Analyte	_	Organics (Qualifier	DRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:23	1
Method: SW846 8015B NM - D)iesel Range	organics	(DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/13/23 20:40	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/13/23 20:40	1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9		49.9 49.9	mg/Kg mg/Kg			05/13/23 20:40 05/13/23 20:40	1
C10-C28)		U						·
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9	U	49.9			05/12/23 21:11	05/13/23 20:40	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.9 %Recovery 122	U	49.9			05/12/23 21:11 Prepared 05/12/23 21:11	05/13/23 20:40 Analyzed	1
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 %Recovery 122 152	Qualifier S1+	49.9 Limits 70 - 130 70 - 130			05/12/23 21:11 Prepared 05/12/23 21:11	05/13/23 20:40 Analyzed 05/13/23 20:40	1
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 **Recovery 122 152 lon Chroma	Qualifier S1+	49.9 Limits 70 - 130 70 - 130		D	05/12/23 21:11 Prepared 05/12/23 21:11	05/13/23 20:40 Analyzed 05/13/23 20:40	1

Project/Site: HEP : Hobbs Station TK 5202

Client Sample ID: TT-5 @ 11'

Date Collected: 05/11/23 14:15 Date Received: 05/12/23 13:49

Sample Depth: 11

Lab Sample ID: 880-28372-22	Lab Sam	ple	ID:	880-	-283	72-22
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Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 13:47	1
Toluene	<0.00504	U	0.00504	mg/Kg		05/16/23 09:51	05/16/23 13:47	1
Ethylbenzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 13:47	1
m,p-Xylenes	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 13:47	1
o-Xylene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 13:47	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 13:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150			05/16/23 09:51	05/16/23 13:47	1
4-Bromofluorobenzene (Surr)	101		68 - 152			05/16/23 09:51	05/16/23 13:47	1
Dibromofluoromethane (Surr)	93		53 - 142			05/16/23 09:51	05/16/23 13:47	1
Toluene-d8 (Surr)	97		70 - 130			05/16/23 09:51	05/16/23 13:47	1

Method: TAL SOP Total BTEX -	· Total BTE	X Calculati	on					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	mg/Kg			05/17/23 15:48	1

	Method: SW846 8015 NM - Dies	sel Range C	Organics (D	(GC) (RO)					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 16:23	1

Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	05/12/23 21:11	05/13/23 21:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg	05/12/23 21:11	05/13/23 21:44	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	05/12/23 21:11	05/13/23 21:44	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130		05/12/23 21:11	05/13/23 21:44	1
o-Terphenyl	175	S1+	70 - 130		05/12/23 21:11	05/13/23 21:44	1

Method: EPA 300.0 - Anions, Id	on Chromate	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.8		5.03	mg/Kg			05/14/23 02:13	1

Client Sample ID: TT-5 @ 12'

Date Collected: 05/11/23 14:20

Lab Sample ID: 880-28372-23

Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 12

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 14:08	1
Toluene	<0.00502	U	0.00502	mg/Kg		05/16/23 09:51	05/16/23 14:08	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 14:08	1
m,p-Xylenes	<0.00201	U	0.00201	mg/Kg		05/16/23 09:51	05/16/23 14:08	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 14:08	1
Xylenes, Total	< 0.00201	U	0.00201	mg/Kg		05/16/23 09:51	05/16/23 14:08	1

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Lab Sample ID: 880-28372-23

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 12'

Date Collected: 05/11/23 14:20 Date Received: 05/12/23 13:49

Sample Depth: 12

Surrogate	%Recovery 0	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150	<u>05/16/23 09:51</u>	05/16/23 14:08	1
4-Bromofluorobenzene (Surr)	100		68 - 152	05/16/23 09:51	05/16/23 14:08	1
Dibromofluoromethane (Surr)	92		53 - 142	05/16/23 09:51	05/16/23 14:08	1
Toluene-d8 (Surr)	97		70 - 130	05/16/23 09:51	05/16/23 14:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00201	U	0.00201	mg/Kg			05/17/23 15:48	1

Method: SW846 8015 NM - Die	sel Range C	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	ma/Ka			05/15/23 16:23	

Method: SW846 8015B NM - D	iesel 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		05/12/23 21:11	05/13/23 22:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/13/23 22:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/13/23 22:05	1
Currogata	9/ Bosovory	Qualifier	Limita			Dronovod	Analyzad	Dil Eco

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	<u>05/12/23 21:11</u>	05/13/23 22:05	1
o-Terphenyl	148	S1+	70 - 130	05/12/23 21:11	05/13/23 22:05	1
_						

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	43.3		5.02	mg/Kg			05/14/23 02:18	1	

Client Sample ID: TT-5 @ 13' Lab Sample ID: 880-28372-24

Date Collected: 05/11/23 14:25 Date Received: 05/12/23 13:49

Sample Depth: 13

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 14:29	1
Toluene	<0.00501	U	0.00501	mg/Kg		05/16/23 09:51	05/16/23 14:29	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 14:29	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg		05/16/23 09:51	05/16/23 14:29	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 14:29	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		05/16/23 09:51	05/16/23 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		56 - 150			05/16/23 09:51	05/16/23 14:29	1
4-Bromofluorobenzene (Surr)	100		68 - 152			05/16/23 09:51	05/16/23 14:29	1
Dibromofluoromethane (Surr)	91		53 - 142			05/16/23 09:51	05/16/23 14:29	1
Toluene-d8 (Surr)	98		70 - 130			05/16/23 09:51	05/16/23 14:29	1

Method: TAL SOP Total BTEX	- Total BTEX Calculat	tion					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200 U	0.00200	mg/Kg			05/17/23 16:31	1

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Matrix: Solid

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 13'

Date Collected: 05/11/23 14:25 Date Received: 05/12/23 13:49

Sample Depth: 13

Lab Sample ID: 880-28372-24

Lab Sample ID: 880-28372-25

Matrix: Solid

Job ID: 880-28372-1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac Total TPH <49.8 U 49.8 05/15/23 16:23 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier Unit Prepared Analyzed Dil Fac RL <49.8 U 49.8 05/12/23 21:11 05/13/23 22:27 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 49.8 mg/Kg 05/12/23 21:11 05/13/23 22:27 C10-C28) Oll Range Organics (Over C28-C36) <49.8 U 49.8 mg/Kg 05/12/23 21:11 05/13/23 22:27 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 120 70 - 130 05/12/23 21:11 05/13/23 22:27 05/12/23 21:11 05/13/23 22:27 o-Terphenyl 143 S1+ 70 - 130

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac 4.97 mg/Kg 05/14/23 03:01 **Chloride** 60.7

Client Sample ID: TT-5 @ 14'

Date Collected: 05/11/23 14:30 Date Received: 05/12/23 13:49

Sample Depth: 14

Analyte

Method: SW846 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier Unit **Prepared** Analyzed Dil Fac Benzene <0.000990 U 0.000990 mg/Kg 05/17/23 08:00 05/17/23 08:33 Toluene <0.00495 U 0.00495 mg/Kg 05/17/23 08:00 05/17/23 08:33 Ethylbenzene <0.000990 U 0.000990 mg/Kg 05/17/23 08:00 05/17/23 08:33 m,p-Xylenes 0.00198 mg/Kg 05/17/23 08:00 05/17/23 08:33 <0.00198 U o-Xylene 0.000990 mg/Kg <0.000990 U 05/17/23 08:00 05/17/23 08:33 Xylenes, Total <0.00198 U 0.00198 mg/Kg 05/17/23 08:00 05/17/23 08:33 %Recovery Qualifier Surrogate Limits Dil Fac Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 96 56 - 150 05/17/23 08:00 05/17/23 08:33

Method: TAL SOP Total BTEX - Total B	BTEX Calculation	on			
Toluene-d8 (Surr)	95	70 - 130	05/17/23 08:00	05/17/23 08:33	1
Dibromofluoromethane (Surr)	92	53 - 142	05/17/23 08:00	05/17/23 08:33	1
4-Bromofluorobenzene (Surr)	88	68 - 152	05/17/23 08:00	05/17/23 08:33	7

Result Qualifier

Total BTEX	<0.00198 U	0.00198	mg/Kg	05/17/23 16:31 1
Method: SW846 8015 NM - Die	sel Range Organic	s (DRO) (GC)		

RL

Unit

Method. 344046 6013 MM - Dies	sei Kaliye (Jiyailics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:23	1

Method: SW846 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		05/12/23 21:11	05/13/23 22:48	1			
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/13/23 22:48	1			

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Dil Fac

Analyzed

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Matrix: Solid

Prepared

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 14'

Date Collected: 05/11/23 14:30 Date Received: 05/12/23 13:49

Sample Depth: 14

Matrix: Solid

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC) (C	ontinued)				
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/13/23 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			05/12/23 21:11	05/13/23 22:48	1
o-Terphenyl	147	S1+	70 - 130			05/12/23 21:11	05/13/23 22:48	1
Method: EPA 300.0 - Anions,	lon Chromat	tography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.5		5.01	mg/Kg			05/14/23 02:24	1

Lab Sample ID: 880-28372-26 Client Sample ID: TT-5 @ 15' **Matrix: Solid**

Date Collected: 05/11/23 14:35

Date Received: 05/12/23 13:49

Sample Depth: 15

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996	mg/Kg		05/17/23 08:00	05/17/23 09:00	1
Toluene	<0.00498	U	0.00498	mg/Kg		05/17/23 08:00	05/17/23 09:00	1
Ethylbenzene	<0.000996	U	0.000996	mg/Kg		05/17/23 08:00	05/17/23 09:00	1
m,p-Xylenes	<0.00199	U	0.00199	mg/Kg		05/17/23 08:00	05/17/23 09:00	1
o-Xylene	<0.000996	U	0.000996	mg/Kg		05/17/23 08:00	05/17/23 09:00	1
Xylenes, Total	< 0.00199	U	0.00199	mg/Kg		05/17/23 08:00	05/17/23 09:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		56 - 150	05/17/23 08:00	05/17/23 09:00	1
4-Bromofluorobenzene (Surr)	90		68 - 152	05/17/23 08:00	05/17/23 09:00	1
Dibromofluoromethane (Surr)	91		53 - 142	05/17/23 08:00	05/17/23 09:00	1
Toluene-d8 (Surr)	97		70 - 130	05/17/23 08:00	05/17/23 09:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00199	U	0.00199	mg/Kg			05/17/23 16:31	1

Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/23 16:23	1

Total TPH	<49.8	U	49.8	mg/Kg			05/15/23 16:23	1
- Method: SW846 8015B NM - D	iesel Range	o 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		05/12/23 21:11	05/13/23 23:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/13/23 23:10	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/13/23 23:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130			05/12/23 21:11	05/13/23 23:10	1
o-Terphenyl	167	S1+	70 - 130			05/12/23 21:11	05/13/23 23:10	1

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9/15/2023 (Rev. 1)

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 15' Lab Sample ID: 880-28372-26 Date Collected: 05/11/23 14:35

Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 15

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.3		4.95	mg/Kg			05/14/23 02:29	1

Client Sample ID: TT-5 @ 16' Lab Sample ID: 880-28372-27

Date Collected: 05/11/23 14:40 **Matrix: Solid**

Date Received: 05/12/23 13:49

Sample Depth: 16

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/17/23 08:00	05/17/23 09:28	
Toluene	< 0.00502	U	0.00502	mg/Kg		05/17/23 08:00	05/17/23 09:28	
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		05/17/23 08:00	05/17/23 09:28	1
m,p-Xylenes	<0.00201	U	0.00201	mg/Kg		05/17/23 08:00	05/17/23 09:28	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		05/17/23 08:00	05/17/23 09:28	1
Xylenes, Total	<0.00201	U	0.00201	mg/Kg		05/17/23 08:00	05/17/23 09:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		56 - 150			05/17/23 08:00	05/17/23 09:28	
4-Bromofluorobenzene (Surr)	88		68 - 152			05/17/23 08:00	05/17/23 09:28	1
Dibromofluoromethane (Surr)	95		53 - 142			05/17/23 08:00	05/17/23 09:28	1
Toluene-d8 (Surr)	95		70 - 130			05/17/23 08:00	05/17/23 09:28	1
Method: TAL SOP Total BTEX	C - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Di	<0.00201 esel Range (0.00201 DRO) (GC)	mg/Kg			05/17/23 16:31	,
Method: SW846 8015 NM - Di Analyte	esel Range (Organics (Qualifier	DRO) (GC)	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Di	esel Range (Organics (Qualifier	DRO) (GC)		D	Prepared		Dil Fac
Method: SW846 8015 NM - Di Analyte	esel Range (Result <49.9	Organics (Qualifier	DRO) (GC) RL 49.9	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E	esel Range (Result <49.9	Organics (Qualifier	DRO) (GC) RL 49.9	Unit		Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	esel Range (Result <49.9	Organics (Qualifier U Organics Qualifier Qualifier	DRO) (GC) RL 49.9 (DRO) (GC)	Unit mg/Kg	_ =		Analyzed 05/15/23 16:23	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range (Result <49.9 Diesel Range Result	Organics (Qualifier U Organics Qualifier U	DRO) (GC) RL 49.9 (DRO) (GC) RL	Unit mg/Kg	_ =	Prepared	Analyzed 05/15/23 16:23 Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10	esel Range (Result <49.9 Diesel Range Result <49.9	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9	Unit mg/Kg Unit mg/Kg	_ =	Prepared 05/12/23 21:11	Analyzed 05/15/23 16:23 Analyzed 05/13/23 23:31 05/13/23 23:31	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	esel Range (Result (49.9) Diesel Range (Result (49.9) (49.9) (49.9)	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/12/23 21:11 05/12/23 21:11	Analyzed 05/15/23 16:23 Analyzed 05/13/23 23:31 05/13/23 23:31	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	esel Range (Result (49.9) Diesel Range (Result (49.9) (49.9)	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/12/23 21:11 05/12/23 21:11	Analyzed 05/15/23 16:23 Analyzed 05/13/23 23:31 05/13/23 23:31 05/13/23 23:31	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	esel Range (Result <49.9 Diesel Range Result <49.9 <49.9 <49.9 <8ecovery 119	Organics (Qualifier U Organics Qualifier U U	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/12/23 21:11 05/12/23 21:11 05/12/23 21:11 Prepared 05/12/23 21:11	Analyzed 05/15/23 16:23 Analyzed 05/13/23 23:31 05/13/23 23:31 05/13/23 23:31 Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	esel Range (Result (49.9) Diesel Range (Result (49.9) (4	Organics (Qualifier U Organics Qualifier U U Qualifier U S1+	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/12/23 21:11 05/12/23 21:11 05/12/23 21:11 Prepared 05/12/23 21:11	Analyzed 05/15/23 16:23 Analyzed 05/13/23 23:31 05/13/23 23:31 Analyzed 05/13/23 23:31	Dil Fac
Method: SW846 8015 NM - Dia Analyte Total TPH Method: SW846 8015B NM - Dia Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	esel Range (Result <49.9 Diesel Range (Result <49.9) 449.9 449.9 **Recovery 119	Organics (Qualifier U Organics Qualifier U U Qualifier U S1+	DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg	_ =	Prepared 05/12/23 21:11 05/12/23 21:11 05/12/23 21:11 Prepared 05/12/23 21:11	Analyzed 05/15/23 16:23 Analyzed 05/13/23 23:31 05/13/23 23:31 Analyzed 05/13/23 23:31	

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 5' Dat

Date Received: 05/12/23 13:49

Sample Depth: 5

nent Sample ID: 11-6 @ 5	Lab Sample ID: 880-28372-28
ate Collected: 05/11/23 15:45	Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/17/23 08:00	05/17/23 09:55	1
Toluene	< 0.00501	U	0.00501	mg/Kg		05/17/23 08:00	05/17/23 09:55	1
Ethylbenzene	< 0.00100	U	0.00100	mg/Kg		05/17/23 08:00	05/17/23 09:55	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg		05/17/23 08:00	05/17/23 09:55	1
o-Xylene	< 0.00100	U	0.00100	mg/Kg		05/17/23 08:00	05/17/23 09:55	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		05/17/23 08:00	05/17/23 09:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		56 - 150			05/17/23 08:00	05/17/23 09:55	1
	91		68 - 152			05/17/23 08:00	05/17/23 09:55	1
4-Bromofluorobenzene (Surr)								
4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	95		53 - 142			05/17/23 08:00	05/17/23 09:55	1

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			05/17/23 16:31	1
Г.,								

Method: SW846 8015 NM - Die:	sel Range (Organics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 16:23	1

Method: SW846 8015B NM - D	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		05/12/23 21:11	05/13/23 23:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/13/23 23:53	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/13/23 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130			05/12/23 21:11	05/13/23 23:53	1
o-Terphenyl	152	S1+	70 - 130			05/12/23 21:11	05/13/23 23:53	1

Method: EPA 300.0 - Anions, I	on Chromatography - :	Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.9	5.05	mg/Kg			05/14/23 02:50	1

Lab Sample ID: 880-28372-29 Client Sample ID: TT-6 @ 6' Date Collected: 05/11/23 15:50 **Matrix: Solid**

Date Received: 05/12/23 13:49

Sample Depth: 6

Method: SW846 82600 Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
					_ =			- In rac
Benzene	<0.00101	U	0.00101	mg/Kg		05/17/23 08:00	05/17/23 10:22	1
Toluene	< 0.00505	U	0.00505	mg/Kg		05/17/23 08:00	05/17/23 10:22	1
Ethylbenzene	<0.00101	U	0.00101	mg/Kg		05/17/23 08:00	05/17/23 10:22	1
m,p-Xylenes	<0.00202	U	0.00202	mg/Kg		05/17/23 08:00	05/17/23 10:22	1
o-Xylene	<0.00101	U	0.00101	mg/Kg		05/17/23 08:00	05/17/23 10:22	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		05/17/23 08:00	05/17/23 10:22	1

Job ID: 880-28372-1

Matrix: Solid

Lab Sample ID: 880-28372-29

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 6'

Date Collected: 05/11/23 15:50 Date Received: 05/12/23 13:49

Sample Depth: 6

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	56 - 150	05/17/23 08:00	05/17/23 10:22	1
4-Bromofluorobenzene (Surr)	93	68 - 152	05/17/23 08:00	05/17/23 10:22	1
Dibromofluoromethane (Surr)	95	53 - 142	05/17/23 08:00	05/17/23 10:22	1
Toluene-d8 (Surr)	95	70 - 130	05/17/23 08:00	05/17/23 10:22	1

Method: TAL SOP Total	BTEX - Total BTEX Calculation	
Analyte	Result Qualifier	RL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	mg/Kg			05/17/23 16:31	1

Method: SW846 8015 NM -	Diesel Range Organics (DRO)	(GC)
	B 1/ 6 1/6	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	ma/Ka	_		05/15/23 16:23	1

Method: SW846 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		05/12/23 21:11	05/14/23 00:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 00:14	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	05/12/23 21:11	05/14/23 00:14	1
o-Terphenyl	146	S1+	70 - 130	05/12/23 21:11	05/14/23 00:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.8		5.05	mg/K	(g		05/14/23 02:56	1

Client Sample ID: TT-6 @ 7'

Date Collected: 05/11/23 15:55 Date Received: 05/12/23 13:49

Sample Depth: 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990	mg/Kg		05/16/23 09:51	05/16/23 15:34	1
Toluene	<0.00495	U	0.00495	mg/Kg		05/16/23 09:51	05/16/23 15:34	1
Ethylbenzene	<0.000990	U	0.000990	mg/Kg		05/16/23 09:51	05/16/23 15:34	1
m,p-Xylenes	<0.00198	U	0.00198	mg/Kg		05/16/23 09:51	05/16/23 15:34	1
o-Xylene	<0.000990	U	0.000990	mg/Kg		05/16/23 09:51	05/16/23 15:34	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		05/16/23 09:51	05/16/23 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		56 - 150			05/16/23 09:51	05/16/23 15:34	1
4-Bromofluorobenzene (Surr)	102		68 - 152			05/16/23 09:51	05/16/23 15:34	1
Dibromofluoromethane (Surr)	91		53 - 142			05/16/23 09:51	05/16/23 15:34	1
Toluene-d8 (Surr)	96		70 - 130			05/16/23 09:51	05/16/23 15:34	1

Mothod: TAI	SOP Total RTFX	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00198	U	0.00198	mg/Kg			05/17/23 16:28	1

Eurofins Midland

1

2

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7

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1 1

14

Lab Sample ID: 880-28372-30 Matrix: Solid

Lab Sample ID: 880-28372-30

Lab Sample ID: 880-28372-31

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 7'

Date Collected: 05/11/23 15:55 Date Received: 05/12/23 13:49

Sample Depth: 7

Method: SW846 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			05/15/23 16:23	1		

- -				3. 3				
Method: SW846 8015B NM - D Analyte	_	Organics Qualifier	(DRO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 00:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 00:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130			05/12/23 21:11	05/14/23 00:36	1
o-Terphenyl	166	S1+	70 - 130			05/12/23 21:11	05/14/23 00:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
L	Chloride	58.2		4.98	mg/Kg			05/14/23 03:06	1

Client Sample ID: TT-6 @ 8'

Date Collected: 05/11/23 16:00 Date Received: 05/12/23 13:49

Sample Depth: 8

Cample Depth: 0
Method: SW846 8260C - Volatile Organic Compounds by GC/MS

	o rolatilo olgalilo	- opou						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 15:54	1
Toluene	<0.00505	U	0.00505	mg/Kg		05/16/23 09:51	05/16/23 15:54	1
Ethylbenzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 15:54	1
m,p-Xylenes	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 15:54	1
o-Xylene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 15:54	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 15:54	1
Surrogate	%Recovery	Qualifier	l imits			Prenared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150	05/16/23 09:51	05/16/23 15:54	1
4-Bromofluorobenzene (Surr)	97		68 - 152	05/16/23 09:51	05/16/23 15:54	1
Dibromofluoromethane (Surr)	94		53 - 142	05/16/23 09:51	05/16/23 15:54	1
Toluene-d8 (Surr)	96		70 - 130	05/16/23 09:51	05/16/23 15:54	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	mg/Kg	_		05/17/23 16:31	1

Method: SW846	8015 NM -	Diesel Range	Organics	(DRO) ((GC)

Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8 U	J	49.8	mg/Kg			05/15/23 16:23	1

		(/(/					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/14/23 01:18	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/14/23 01:18	1
C10-C28)								

Eurofins Midland

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-28372-31

Lab Sample ID: 880-28372-32

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 8'

Date Collected: 05/11/23 16:00 Date Received: 05/12/23 13:49

Sample Depth: 8

Analyte	Result	Qualifier	RL	Unit	D Prepa	red	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	05/12/23	21:11	05/14/23 01:18	1
Surrogate	%Recovery	Qualifier	Limits		Prepa	red	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130		05/12/23	3 21:11	05/14/23 01:18	1
o-Terphenyl	145	S1+	70 - 130		05/12/23	21:11	05/14/23 01:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	50.8		5.03	mg/Kg			05/14/23 03:12	1

Client Sample ID: TT-6 @ 9'

Date Collected: 05/11/23 16:05

Date Received: 05/12/23 13:49

Sample Depth: 9

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996	mg/Kg		05/16/23 09:51	05/16/23 16:15	1
Toluene	<0.00498	U	0.00498	mg/Kg		05/16/23 09:51	05/16/23 16:15	1
Ethylbenzene	<0.000996	U	0.000996	mg/Kg		05/16/23 09:51	05/16/23 16:15	1
m,p-Xylenes	<0.00199	U	0.00199	mg/Kg		05/16/23 09:51	05/16/23 16:15	1
o-Xylene	<0.000996	U	0.000996	mg/Kg		05/16/23 09:51	05/16/23 16:15	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		05/16/23 09:51	05/16/23 16:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		56 - 150			05/16/23 09:51	05/16/23 16:15	1
4-Bromofluorobenzene (Surr)	101		68 - 152			05/16/23 09:51	05/16/23 16:15	1
Dibromofluoromethane (Surr)	91		53 - 142			05/16/23 09:51	05/16/23 16:15	1
Toluene-d8 (Surr)	98		70 - 130			05/16/23 09:51	05/16/23 16:15	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Posult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Method: IAL SOP Total BTEX	- lotal BIE	K Caiculati	on					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199	mg/Kg			05/17/23 16:28	1
<u></u>								

Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:23	1

Allalyte	Result	Qualifier	IXL	Oilit		rrepared	Allalyzea	Diriac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:23	1
- Method: SW846 8015B NM - D	Diesel Range	e Organics	(DRO) (GC)					
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 01:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 01:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			05/12/23 21:11	05/14/23 01:39	1
o-Terphenyl	149	S1+	70 - 130			05/12/23 21:11	05/14/23 01:39	1

05/17/23 16:28

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 9' Lab Sample ID: 880-28372-32

Date Collected: 05/11/23 16:05 **Matrix: Solid** Date Received: 05/12/23 13:49

Sample Depth: 9

Method: EPA 300.0 - Anions, Ior	Chroma	tography - S	oluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.8		5.01	mg/Kg			05/14/23 03:28	1

Lab Sample ID: 880-28372-33 Client Sample ID: TT-6 @ 10'

Date Collected: 05/11/23 16:10 Date Received: 05/12/23 13:49

Sample Depth: 10

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000994	U	0.000994	mg/Kg		05/16/23 09:51	05/16/23 16:36	1
Toluene	< 0.00497	U	0.00497	mg/Kg		05/16/23 09:51	05/16/23 16:36	1
Ethylbenzene	< 0.000994	U	0.000994	mg/Kg		05/16/23 09:51	05/16/23 16:36	1
m,p-Xylenes	<0.00199	U	0.00199	mg/Kg		05/16/23 09:51	05/16/23 16:36	1
o-Xylene	< 0.000994	U	0.000994	mg/Kg		05/16/23 09:51	05/16/23 16:36	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		05/16/23 09:51	05/16/23 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		56 - 150			05/16/23 09:51	05/16/23 16:36	1
4-Bromofluorobenzene (Surr)	101		68 - 152			05/16/23 09:51	05/16/23 16:36	1
Dibromofluoromethane (Surr)	93		53 - 142			05/16/23 09:51	05/16/23 16:36	1
Toluene-d8 (Surr)	97		70 - 130			05/16/23 09:51	05/16/23 16:36	1

Method: SW846 8015 NM - I Analyte	_	Organics (D Qualifier	RO) (GC) RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/15/23 16:23	1
Method: SW846 8015B NM	- Diesel Range	Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/14/23 02:00	1

0.00199

mg/Kg

<0.00199 U

Surrogate	%Recovery	Qualifier	Limits		Prepared 05/40/00 04/44	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	05/12/23 21:11	05/14/23 02:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg	05/12/23 21:11	05/14/23 02:00	1
(GRO)-C6-C10				0 0			

Surrogate	%Recovery Q	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	05/12/23 21:11	05/14/23 02:00	1
o-Terphenyl	144 S	1+	70 - 130	05/12/23 21:11	05/14/23 02:00	1

Wethod: EPA 300.0 - Anions, I	on Chromatograph	y - Soluble					
Analyte	Result Qualifier	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.3	4.97	mg/Kg			05/14/23 03:33	1

Job ID: 880-28372-1 Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 11'

Da Date Received: 05/12/23 13:49

Sample Depth: 11

Xylenes, Total

Client Sample ID: TT-6 @ 11'	Lab Sample ID: 880-28372-34
Date Collected: 05/11/23 16:15	Matrix: Solid

Method: SW846 8260C - Volatile Organic Compounds by GC/MS Analyte Result Qualifier Unit Prepared Dil Fac RL Analyzed Benzene <0.00100 U 0.00100 05/16/23 09:51 05/16/23 16:57 mg/Kg Toluene <0.00500 U 0.00500 mg/Kg 05/16/23 09:51 05/16/23 16:57 Ethylbenzene <0.00100 U 0.00100 mg/Kg 05/16/23 09:51 05/16/23 16:57 m,p-Xylenes <0.00200 U 0.00200 mg/Kg 05/16/23 09:51 05/16/23 16:57 0.00100 o-Xylene mg/Kg <0.00100 U 05/16/23 09:51 05/16/23 16:57

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	56 - 150	05/16/23 09:51	05/16/23 16:57	1
4-Bromofluorobenzene (Surr)	101	68 - 152	05/16/23 09:51	05/16/23 16:57	1
Dibromofluoromethane (Surr)	91	53 - 142	05/16/23 09:51	05/16/23 16:57	1
Toluene-d8 (Surr)	97	70 - 130	05/16/23 09:51	05/16/23 16:57	1

0.00200

mg/Kg

05/16/23 09:51 05/16/23 16:57

05/12/23 21:11 05/14/23 02:22

<0.00200 U

148 S1+

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			05/17/23 16:28	1

Method: SW846 8015 NM - Dies	sel Range (Organics (D)RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 16:23	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/14/23 02:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/14/23 02:22	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/14/23 02:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130			05/12/23 21:11	05/14/23 02:22	1

Method: EPA 300.0 - Anions, I	on Chromatography	- Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.5	4.96	mg/Kg			05/14/23 03:49	1

70 - 130

Lab Sample ID: 880-28372-35 Client Sample ID: TT-6 @ 12' Date Collected: 05/11/23 16:20 Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 12

o-Terphenyl

Analyte	Result	Qualifier	ds by GC/MS RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996	mg/Kg		05/16/23 09:51	05/16/23 14:46	1
Toluene	< 0.00498	U	0.00498	mg/Kg		05/16/23 09:51	05/16/23 14:46	1
Ethylbenzene	<0.000996	U	0.000996	mg/Kg		05/16/23 09:51	05/16/23 14:46	1
m,p-Xylenes	<0.00199	U	0.00199	mg/Kg		05/16/23 09:51	05/16/23 14:46	1
o-Xylene	<0.000996	U	0.000996	mg/Kg		05/16/23 09:51	05/16/23 14:46	1
Xylenes, Total	< 0.00199	U	0.00199	mg/Kg		05/16/23 09:51	05/16/23 14:46	1

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 12'

Date Collected: 05/11/23 16:20 Date Received: 05/12/23 13:49

Sample Depth: 12

Lab Sample ID: 880-28372-35

Matrix: Solid

Job ID: 880-28372-1

Surrogate	%Recovery G	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		56 - 150	05/16/23 09:51	05/16/23 14:46	1
4-Bromofluorobenzene (Surr)	96		68 - 152	05/16/23 09:51	05/16/23 14:46	1
Dibromofluoromethane (Surr)	104		53 - 142	05/16/23 09:51	05/16/23 14:46	1
Toluene-d8 (Surr)	96		70 - 130	05/16/23 09:51	05/16/23 14:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Result Qualifier Unit Prepared Analyzed Dil Fac Total BTEX <0.00199 U 05/17/23 16:28 0.00199 mg/Kg

Method: SW846 8015 NM - Die	esel Range Organics (DF	RO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	49.8	ma/Ka	_		05/15/23 16:23	

Method: SW846 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		05/12/23 21:11	05/14/23 02:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/14/23 02:43	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/12/23 21:11	05/14/23 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	05/12/23 21:11	05/14/23 02:43	1
o-Terphenyl	144	S1+	70 - 130	05/12/23 21:11	05/14/23 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Method: TAL SOP Total BTEX - Total BTEX Calculation

Result Qualifier

<0.00201 U

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.8		5.03	mg/Kg			05/14/23 03:54	1

Client Sample ID: TT-6 @ 13'

Date Collected: 05/11/23 16:25 Date Received: 05/12/23 13:49

Sample Depth: 13

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 16:57	1
Toluene	<0.00502	U	0.00502	mg/Kg		05/16/23 09:51	05/16/23 16:57	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 16:57	1
m,p-Xylenes	<0.00201	U	0.00201	mg/Kg		05/16/23 09:51	05/16/23 16:57	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 16:57	1
Xylenes, Total	<0.00201	U	0.00201	mg/Kg		05/16/23 09:51	05/16/23 16:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		56 - 150			05/16/23 09:51	05/16/23 16:57	1
4-Bromofluorobenzene (Surr)	91		68 - 152			05/16/23 09:51	05/16/23 16:57	1
Dibromofluoromethane (Surr)	100		53 - 142			05/16/23 09:51	05/16/23 16:57	1
Toluene-d8 (Surr)	92		70 - 130			05/16/23 09:51	05/16/23 16:57	1

Eurofins Midland

Dil Fac

Analyzed

05/17/23 16:28

RL

0.00201

Unit

mg/Kg

Prepared

Matrix: Solid

Lab Sample ID: 880-28372-36

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 13'

Date Collected: 05/11/23 16:25 Date Received: 05/12/23 13:49

Sample Depth: 13

Lab Sample ID: 880-28372-36

Lab Sample ID: 880-28372-37

Matrix: Solid

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result Qualifi	er RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	<50.0 U	50.0	mg/Kg			05/15/23 16:23	1		

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac <50.0 U 50.0 Gasoline Range Organics mg/Kg 05/12/23 21:11 05/14/23 03:05 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/12/23 21:11 05/14/23 03:05 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/12/23 21:11 05/14/23 03:05 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 117 70 - 130 05/12/23 21:11 05/14/23 03:05 1-Chlorooctane 142 S1+ 70 - 130 05/12/23 21:11 05/14/23 03:05 o-Terphenyl

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	51.8		5.02	mg/Kg			05/14/23 04:00	1

Client Sample ID: TT-6 @ 14'

Date Collected: 05/11/23 16:30 Date Received: 05/12/23 13:49

Sample Depth: 14

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 17:18	1
Toluene	< 0.00501	U	0.00501	mg/Kg		05/16/23 09:51	05/16/23 17:18	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 17:18	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg		05/16/23 09:51	05/16/23 17:18	1
o-Xylene	< 0.00100	U	0.00100	mg/Kg		05/16/23 09:51	05/16/23 17:18	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		05/16/23 09:51	05/16/23 17:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d/ (Surr)			56 150			05/16/22 00:51	05/16/22 17:19	

	Surrogate	%Recovery	Quaimer	Limits	Prepared	Analyzea	DII Fac
	1,2-Dichloroethane-d4 (Surr)	102		56 - 150	05/16/23 09:51	05/16/23 17:18	1
	4-Bromofluorobenzene (Surr)	94		68 - 152	05/16/23 09:51	05/16/23 17:18	1
	Dibromofluoromethane (Surr)	96		53 - 142	05/16/23 09:51	05/16/23 17:18	1
Į	Toluene-d8 (Surr)	100		70 - 130	05/16/23 09:51	05/16/23 17:18	1

Method: TAL SOP	Total BTEX - Total BTEX Calculation	
Amaluda	Desuit Qualifier	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200 U	0.00200	mg/Kg			05/17/23 16:28	1

Method: SW846 8015 NM - Diesel R	Range	0	rga	anics	(DRO)	(GC)
			_			

Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/23 16:23	1

Method: SW846 8015B N	M - Diesel Range	Organics (DRO) (GC)
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Wethor: Swo46 60156 NW - D	iesei Kange	(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		05/12/23 21:11	05/14/23 03:26	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/14/23 03:26	1

C10-C28)

Eurofins Midland

Matrix: Solid

9/15/2023 (Rev. 1)

Lab Sample ID: 880-28372-37

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 14'

Sample Depth: 14

•	•
Date Collected: 05/11/23 16:30	Matrix: Solid
Date Received: 05/12/23 13:49	

Method: SW846 8015B NM - [Diesel Range	Organics	(DRO) (GC) (C	ontinued)				
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/12/23 21:11	05/14/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			05/12/23 21:11	05/14/23 03:26	1
o-Terphenyl	143	S1+	70 - 130			05/12/23 21:11	05/14/23 03:26	1
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	- Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.9		4.99	ma/Ka			05/14/23 04:05	1

Client Sample ID: TT-6 @ 15' Lab Sample ID: 880-28372-38 Date Collected: 05/11/23 16:35 **Matrix: Solid**

Date Received: 05/12/23 13:49

Sample Depth: 15

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 17:39	1
Toluene	< 0.00504	U	0.00504	mg/Kg		05/16/23 09:51	05/16/23 17:39	1
Ethylbenzene	< 0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 17:39	1
m,p-Xylenes	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 17:39	1
o-Xylene	< 0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 17:39	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)			56 150			05/16/23 00:51	05/16/23 17:30	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		56 - 150	05/16/23 09:51	05/16/23 17:39	1
4-Bromofluorobenzene (Surr)	99		68 - 152	05/16/23 09:51	05/16/23 17:39	1
Dibromofluoromethane (Surr)	103		53 - 142	05/16/23 09:51	05/16/23 17:39	1
Toluene-d8 (Surr)	86		70 - 130	05/16/23 09:51	05/16/23 17:39	1

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	mg/Kg			05/17/23 16:28	1

Method: SW846 8015 NM - Die	sel Range	Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:23	1

Total TPH	<49.9	U	49.9	mg/Kg			05/15/23 16:23	1
- Method: SW846 8015B NM - D	iesel Range	e 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		05/12/23 21:11	05/14/23 03:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 03:47	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/12/23 21:11	05/14/23 03:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130			05/12/23 21:11	05/14/23 03:47	1
o-Terphenyl	148	S1+	70 - 130			05/12/23 21:11	05/14/23 03:47	1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 15'

Date Received: 05/12/23 13:49

Date Collected: 05/11/23 16:35

Lab Sample ID: 880-28372-38

Matrix: Solid

Sample Depth: 15

Method: EPA 300.0 - Anions, lo	on Chromat	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		4.98	mg/Kg			05/14/23 04:10	1

Client Sample ID: TT-6 @ 16' Lab Sample ID: 880-28372-39

Date Collected: 05/11/23 16:40 Matrix: Solid

Date Received: 05/12/23 13:49

Sample Depth: 16

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 18:00	
Toluene	< 0.00505	U	0.00505	mg/Kg		05/16/23 09:51	05/16/23 18:00	
Ethylbenzene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 18:00	•
m,p-Xylenes	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 18:00	1
o-Xylene	<0.00101	U	0.00101	mg/Kg		05/16/23 09:51	05/16/23 18:00	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		05/16/23 09:51	05/16/23 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150			05/16/23 09:51	05/16/23 18:00	
4-Bromofluorobenzene (Surr)	96		68 - 152			05/16/23 09:51	05/16/23 18:00	1
Dibromofluoromethane (Surr)	98		53 - 142			05/16/23 09:51	05/16/23 18:00	7
Toluene-d8 (Surr)	95		70 - 130			05/16/23 09:51	05/16/23 18:00	1
Method: TAL SOP Total BTEX								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
*		-			=	- ropurou		
Total BTEX	<0.00202	-	0.00202	mg/Kg	— <u>-</u>		05/17/23 16:28	1
	<0.00202	U	0.00202		_ =			1
Total BTEX Method: SW846 8015 NM - Di Analyte	<0.00202 esel Range Result	Organics (Qualifier	0.00202 DRO) (GC) RL	mg/Kg		Prepared		·
Total BTEX Method: SW846 8015 NM - Dic Analyte	<0.00202 esel Range (Organics (Qualifier	0.00202 DRO) (GC)	mg/Kg			05/17/23 16:28	Dil Fac
Total BTEX Method: SW846 8015 NM - Dic Analyte Total TPH	<0.00202 esel Range (Result <49.9 Diesel Range	Organics (Qualifier U Organics	0.00202 DRO) (GC) RL 49.9	mg/Kg			05/17/23 16:28 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	<0.00202 esel Range (Result <49.9 Diesel Range	Organics (Qualifier	0.00202 DRO) (GC) RL 49.9	mg/Kg			05/17/23 16:28 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics	<0.00202 esel Range (Result <49.9 Diesel Range	Organics (Qualifier U Organics Qualifier	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC)	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	05/17/23 16:28 Analyzed 05/15/23 16:23	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00202 esel Range Result <49.9 Diesel Range Result	Organics (Qualifier U Organics Qualifier U	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC) RL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared 05/12/23 21:11	05/17/23 16:28 Analyzed 05/15/23 16:23 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00202 esel Range Result <p>49.9 Diesel Range Result 49.9</p>	Organics (Qualifier U Organics Qualifier U U	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC) RL 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 05/12/23 21:11 05/12/23 21:11	05/17/23 16:28 Analyzed 05/15/23 16:23 Analyzed 05/14/23 04:08	Dil Fac
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<0.00202 esel Range (Result) <49.9 <49.9 <49.9 %Recovery	Organics (Qualifier U Organics Qualifier U U U	0.00202 DRO) (GC) RL 49.9 (DRO) (GC) RL 49.9 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 05/12/23 21:11 05/12/23 21:11 Prepared	Analyzed 05/14/23 04:08 05/14/23 04:08 05/14/23 04:08 Analyzed Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	<0.00202 esel Range (Result) <49.9 Comparison of the control of the cont	Organics (Qualifier U Organics Qualifier U U U	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC) RL 49.9 49.9 49.9	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 05/12/23 21:11 05/12/23 21:11	05/17/23 16:28 Analyzed 05/15/23 16:23 Analyzed 05/14/23 04:08 05/14/23 04:08	Dil Fac
Method: SW846 8015 NM - Dia Analyte Total TPH Method: SW846 8015B NM - Dia Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<0.00202 esel Range (Result <49.9 <49.9 <49.9 <80.00202 <49.9 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202 <80.00202<	Organics (Qualifier U Organics Qualifier U U U	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC) RL 49.9 49.9 49.9 Limits	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 05/12/23 21:11 05/12/23 21:11 05/12/23 21:11 Prepared 05/12/23 21:11	Analyzed 05/14/23 04:08 05/14/23 04:08 05/14/23 04:08 Analyzed Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions,	<0.00202 esel Range (Result) <49.9 <49.9 <49.9 <49.9 <49.9 %Recovery 125 152 Ion Chroma	Organics (Qualifier U Organics Qualifier U U Qualifier U S1+ tography	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 05/12/23 21:11 05/12/23 21:11 05/12/23 21:11 Prepared 05/12/23 21:11	Analyzed 05/14/23 04:08 Analyzed 05/14/23 04:08 05/14/23 04:08 Analyzed 05/14/23 04:08	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<0.00202 esel Range (Result) <49.9 <49.9 <49.9 <49.9 <49.9 %Recovery 125 152 Ion Chroma	Organics (Qualifier U Organics Qualifier U U Qualifier U U S1+	0.00202 DRO) (GC) RL 49.9 6 (DRO) (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared 05/12/23 21:11 05/12/23 21:11 05/12/23 21:11 Prepared 05/12/23 21:11	Analyzed 05/14/23 04:08 Analyzed 05/14/23 04:08 05/14/23 04:08 Analyzed 05/14/23 04:08	Dil Fac

Client Sample Results

Client: TRC Solutions, Inc.

Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: Trip Blank Lab Sample ID: 880-28372-40

Date Collected: 05/11/23 07:05

Date Received: 05/12/23 13:49

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/L			05/15/23 10:46	1
Toluene	<0.00100	U	0.00100	mg/L			05/15/23 10:46	1
Ethylbenzene	<0.00100	U	0.00100	mg/L			05/15/23 10:46	1
m,p-Xylenes	<0.0100	U	0.0100	mg/L			05/15/23 10:46	1
o-Xylene	<0.00100	U	0.00100	mg/L			05/15/23 10:46	1
Xylenes, Total	<0.0100	U	0.0100	mg/L			05/15/23 10:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		63 - 144				05/15/23 10:46	1
4-Bromofluorobenzene (Surr)	127	S1+	74 - 124				05/15/23 10:46	1
Dibromofluoromethane (Surr)	121		75 - 131				05/15/23 10:46	1
Toluene-d8 (Surr)	105		80 - 117				05/15/23 10:46	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyto								

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Surrogate Summary

Job ID: 880-28372-1 Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS

			Pe	ercent Surre	gate Recovery (Acceptar	ice Limits)
		DCA	BFB	DBFM	TOL	
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)	
820-8447-D-1-A MS	Matrix Spike	96	96	101	97	
820-8447-D-8-A MS	Matrix Spike	100	111	93	103	
860-48633-A-2-D MS - RA	Matrix Spike	94	108	106	105	
860-48764-D-7-B MS - DL	Matrix Spike	91	98	99	94	
860-48960-C-13-A MS	Matrix Spike	91	98	102	102	
860-48964-B-1-A MS - DL	Matrix Spike	93	104	96	100	
860-49010-C-2-A MS - DL	Matrix Spike	101	102	92	101	
880-28372-1	TT-2 @ 7'	115	107	94	102	
880-28372-2	TT-2 @ 8'	113	102	92	108	
880-28372-2 - DL	TT-2 @ 8'	102	107	91	99	
880-28372-3	TT-2 @ 9'	80	93	80	102	
880-28372-3 - DL	TT-2 @ 9'	103	99	88	99	
880-28372-4	TT-2 @ 10'	108	95	94	106	
880-28372-4 - DL	TT-2 @ 10'	104	109	92	99	
880-28372-5	TT-2 @ 10 TT-2 @ 11'	107	102	91	112	
880-28372-5 - DL	TT-2 @ 11'	89	90	95	99	
880-28372-6	TT-2 @ 11'	97	93	93 91	95	
880-28372-7	TT-2 @ 12 TT-2 @ 13'	112	93 99	96	100	
880-28372-8	TT-2 @ 14'	95	89	96	98	
880-28372-9	TT-2 @ 15'	114	94	95	99	
880-28372-9 - DL	TT-2 @ 15'	97	98	90	90	
880-28372-10	TT-2 @ 16'	111	101	95	104	
880-28372-10 - DL	TT-2 @ 16'	105	106	90	100	
880-28372-11	TT-4 @ 13'	95	94	93	105	
880-28372-12	TT-4 @ 14'	96	99	96	108	
880-28372-12 - DL	TT-4 @ 14'	87	93	90	96	
880-28372-13	TT-4 @ 15'	88	102	95	117	
880-28372-13 - DL	TT-4 @ 15'	86	98	92	95	
880-28372-14	TT-4 @ 16'	92	93	90	107	
880-28372-14 - DL	TT-4 @ 16'	91	90	91	101	
880-28372-15	Dup-01	94	90	92	95	
880-28372-16	TT-5 @ 5'	103	103	91	97	
880-28372-17	TT-5 @ 6'	103	101	90	96	
880-28372-18	TT-5 @ 7'	104	101	91	98	
880-28372-19	TT-5 @ 8'	102	102	91	98	
880-28372-20	TT-5 @ 9'	107	101	94	96	
880-28372-21	TT-5 @ 10'	102	102	92	99	
880-28372-22	TT-5 @ 11'	105	101	93	97	
880-28372-23	TT-5 @ 12'	105	100	92	97	
880-28372-24	TT-5 @ 13'	104	100	91	98	
880-28372-25	TT-5 @ 14'	96	88	92	95	
880-28372-26	TT-5 @ 15'	96	90	91	97	
880-28372-27	TT-5 @ 16'	95	88	95	95	
880-28372-28	TT-6 @ 5'	95	91	95	95	
880-28372-29	TT-6 @ 6'	95	93	95	95	
880-28372-30	TT-6 @ 7'	104	102	91	96	
880-28372-31	TT-6 @ 8'	105	97	94	96	
880-28372-32	TT-6 @ 9'	103	101	91	98	
880-28372-33	TT-6 @ 10'	103	101	93	97	

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid Prep Type: Total/NA

			Pe	ercent Surro	ogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
880-28372-34	TT-6 @ 11'	104	101	91	97
880-28372-35	TT-6 @ 12'	101	96	104	96
880-28372-36	TT-6 @ 13'	97	91	100	92
880-28372-37	TT-6 @ 14'	102	94	96	100
880-28372-38	TT-6 @ 15'	103	99	103	86
880-28372-39	TT-6 @ 16'	102	96	98	95
LCS 860-103359/3	Lab Control Sample	99	103	93	102
LCS 860-103362/3	Lab Control Sample	93	97	105	100
LCS 860-103367/3	Lab Control Sample	93	92	100	100
LCS 860-103493/3	Lab Control Sample	100	101	101	100
LCS 860-103555/3	Lab Control Sample	100	93	102	99
LCS 860-103558/3	Lab Control Sample	101	108	96	101
LCS 860-103648/3	Lab Control Sample	92	99	98	99
LCSD 860-103359/4	Lab Control Sample Dup	98	104	92	101
LCSD 860-103362/4	Lab Control Sample Dup	89	99	104	96
LCSD 860-103367/4	Lab Control Sample Dup	96	100	100	100
LCSD 860-103493/4	Lab Control Sample Dup	101	99	105	102
LCSD 860-103555/4	Lab Control Sample Dup	92	101	109	95
LCSD 860-103558/4	Lab Control Sample Dup	104	109	98	101
LCSD 860-103648/4	Lab Control Sample Dup	96	99	99	97
MB 860-103359/8	Method Blank	103	100	91	97
MB 860-103362/8	Method Blank	96	95	97	92
MB 860-103367/8	Method Blank	89	89	94	95
MB 860-103493/7	Method Blank	95	93	95	96
MB 860-103555/7	Method Blank	93	98	96	95
MB 860-103558/7	Method Blank	105	105	93	99
MB 860-103648/7	Method Blank	90	89	91	95
Surrogate Legend					

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery					
		DCA	BFB	DBFM	TOL		
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-117)		
860-48897-P-1 MS	Matrix Spike	122	98	120	105		
880-28372-40	Trip Blank	115	127 S1+	121	105		
LCS 860-102953/3	Lab Control Sample	124	99	119	105		
LCSD 860-102953/4	Lab Control Sample Dup	125	100	120	103		
MB 860-102953/9	Method Blank	123	123	125	106		

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP : Hobbs Station TK 5202

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

			Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-28372-1	TT-2 @ 7'	156 S1+	
380-28372-2	TT-2 @ 8'	153 S1+	106
380-28372-3	TT-2 @ 9'	164 S1+	106
380-28372-4	TT-2 @ 10'	137 S1+	76
380-28372-5	TT-2 @ 11'	149 S1+	97
380-28372-6	TT-2 @ 12'	141 S1+	89
380-28372-7	TT-2 @ 13'	124	84
380-28372-8	TT-2 @ 14'	147 S1+	114
880-28372-9	TT-2 @ 15'	154 S1+	91
880-28372-10	TT-2 @ 16'	132 S1+	76
80-28372-11	TT-4 @ 13'	148 S1+	97
80-28372-12	TT-4 @ 14'	143 S1+	96
80-28372-13	TT-4 @ 15'	148 S1+	110
380-28372-14	TT-4 @ 16'	135 S1+	74
380-28372-15	Dup-01	148 S1+	96
880-28372-16	TT-5 @ 5'	128	99
80-28372-16 MS	TT-5 @ 5'	129	92
80-28372-16 MSD	TT-5 @ 5'	123	89
80-28372-17	TT-5 @ 6'	128	99
80-28372-18	TT-5 @ 7'	130	101
80-28372-19	TT-5 @ 8'	139 S1+	108
80-28372-20	TT-5 @ 9'	126	99
880-28372-21	TT-5 @ 10'	122	152 S1+
80-28372-21 MS	TT-5 @ 10'	117	126
880-28372-21 MSD	TT-5 @ 10'	120	129
80-28372-22	TT-5 @ 11'	144 S1+	175 S1+
80-28372-23	TT-5 @ 12'	123	148 S1+
80-28372-24	TT-5 @ 13'	120	143 S1+
80-28372-25	TT-5 @ 14'	122	147 S1+
80-28372-26	TT-5 @ 15'	139 S1+	167 S1+
80-28372-27	TT-5 @ 16'	119	144 S1+
80-28372-28	TT-6 @ 5'	126	152 S1+
880-28372-29	TT-6 @ 6'	121	146 S1+
80-28372-30	TT-6 @ 7'	142 S1+	166 S1+
880-28372-31	TT-6 @ 8'	119	145 S1+
80-28372-32	TT-6 @ 9'	118	149 S1+
80-28372-33	TT-6 @ 10'	120	144 S1+
880-28372-34	TT-6 @ 11'	124	148 S1+
80-28372-35	TT-6 @ 12'	119	144 S1+
80-28372-36	TT-6 @ 13'	117	142 S1+
80-28372-37	TT-6 @ 14'	117	143 S1+
80-28372-38	TT-6 @ 15'	123	148 S1+
80-28372-39	TT-6 @ 16'	125	152 S1+
.CS 880-53305/2-A	Lab Control Sample	101	79
.CS 880-53306/2-A	Lab Control Sample	96	112
.CSD 880-53305/3-A	Lab Control Sample Dup	105	81
.CSD 880-53306/3-A	Lab Control Sample Dup	126	144 S1+
MB 880-53305/1-A	Method Blank	162 S1+	129
ИВ 880-53306/1-A	Method Blank	143 S1+	175 S1+

Eurofins Midland

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Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-102953/9

Matrix: Water Analysis Batch: 102953 **Client Sample ID: Method Blank**

Prep Type: Total/NA

	INIB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/L			05/15/23 10:26	1
Toluene	<0.00100	U	0.00100	mg/L			05/15/23 10:26	1
Ethylbenzene	<0.00100	U	0.00100	mg/L			05/15/23 10:26	1
m,p-Xylenes	<0.0100	U	0.0100	mg/L			05/15/23 10:26	1
o-Xylene	<0.00100	U	0.00100	mg/L			05/15/23 10:26	1
Xylenes, Total	<0.0100	U	0.0100	mg/L			05/15/23 10:26	1

MB MB Qualifier Surrogate %Recovery Limits Prepared Dil Fac Analyzed 1,2-Dichloroethane-d4 (Surr) 123 63 - 144 05/15/23 10:26 4-Bromofluorobenzene (Surr) 123 74 - 124 05/15/23 10:26 125 75 - 131 Dibromofluoromethane (Surr) 05/15/23 10:26 Toluene-d8 (Surr) 106 80 - 117 05/15/23 10:26

Lab Sample ID: LCS 860-102953/3

Matrix: Water

Analysis Batch: 102953

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

l		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.0500	0.05352		mg/L		107	75 - 125	
	Toluene	0.0500	0.05035		mg/L		101	70 - 130	
	Ethylbenzene	0.0500	0.05085		mg/L		102	75 - 125	
I	m,p-Xylenes	0.0500	0.05002		mg/L		100	75 - 125	
	o-Xylene	0.0500	0.04963		mg/L		99	75 - 125	
ı									

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 124 63 - 144 4-Bromofluorobenzene (Surr) 99 74 - 124 Dibromofluoromethane (Surr) 119 75 - 131 Toluene-d8 (Surr) 80 - 117 105

Lab Sample ID: LCSD 860-102953/4

Matrix: Water

Analysis Batch: 102953

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

	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.05427	mg/L		109	75 - 125	1	25
Toluene	0.0500	0.05188	mg/L		104	70 - 130	3	25
Ethylbenzene	0.0500	0.05252	mg/L		105	75 - 125	3	25
m,p-Xylenes	0.0500	0.05122	mg/L		102	75 - 125	2	25
o-Xylene	0.0500	0.05182	mg/L		104	75 - 125	4	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	125		63 - 144
4-Bromofluorobenzene (Surr)	100		74 - 124
Dibromofluoromethane (Surr)	120		75 - 131
Toluene-d8 (Surr)	103		80 - 117

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: 860-48897-P-1 MS

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Matrix: Water Analysis Batch: 102953

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00100	U	0.0500	0.05183		mg/L		104	66 - 142	
Toluene	<0.00100	U	0.0500	0.04956		mg/L		99	59 - 139	
Ethylbenzene	<0.00100	U	0.0500	0.05041		mg/L		101	75 - 125	
m,p-Xylenes	<0.0100	U	0.0500	0.04917		mg/L		98	75 - 125	
o-Xylene	<0.00100	U	0.0500	0.04877		mg/L		98	75 - 125	

MS MS %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 63 - 144 122 98

4-Bromofluorobenzene (Surr) 74 - 124 Dibromofluoromethane (Surr) 120 75 - 131 Toluene-d8 (Surr) 105 80 - 117

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 102988

Matrix: Solid Analysis Batch: 103362

Surrogate

Lab Sample ID: 860-48960-C-13-A MS

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	2.60		3.94	6.149		mg/Kg		90	71 - 119	
Toluene	<1.97	U	3.94	3.935		mg/Kg		100	74 - 122	
Ethylbenzene	0.728		3.94	4.776		mg/Kg		103	80 - 123	
m,p-Xylenes	<0.157	U	3.94	3.966		mg/Kg				
o-Xylene	<0.0787	U	3.94	3.971		mg/Kg				

MS MS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 91 56 - 150 68 - 152 4-Bromofluorobenzene (Surr) 98 Dibromofluoromethane (Surr) 102 53 - 142 Toluene-d8 (Surr) 102 70 - 130

M

Lab Sample ID: 820-8447-D	-1-A MS						CI	ient Sa	mple ID: Matrix S	pike
Matrix: Solid									Prep Type: Total	I/NA
Analysis Batch: 103555									Prep Batch: 103	3279
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	

Ar <0.0527 U 2.64 2.797 106 71 - 119 Benzene mg/Kg Toluene <0.264 U 2.64 101 74 - 122 2.814 mg/Kg 2.64 Ethylbenzene <0.0527 U 2.966 mg/Kg 113 80 - 123 m,p-Xylenes <0.105 U 2.64 2.887 110 78 - 127 mg/Kg o-Xylene <0.0527 U 2.64 2.846 mg/Kg 108 79 - 125

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		56 - 150
4-Bromofluorobenzene (Surr)	96		68 - 152
Dibromofluoromethane (Surr)	101		53 - 142
Toluene-d8 (Surr)	97		70 - 130

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: 820-8447-D-8-A MS

Matrix: Solid

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Matrix Spike

Prep Type: Total/NA Analysis Batch: 103558 Prep Batch: 103279

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.0564	U	2.82	3.011		mg/Kg	_	107	71 - 119	
Toluene	<0.282	U	2.82	3.334		mg/Kg		114	74 - 122	
Ethylbenzene	< 0.0564	U	2.82	3.361		mg/Kg		119	80 - 123	
m,p-Xylenes	<0.113	U	2.82	3.346		mg/Kg		119	78 - 127	
o-Xylene	< 0.0564	U	2.82	3.407		mg/Kg		121	79 - 125	

MS MS

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 56 - 150 100 111 68 - 152 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) 93 53 - 142 Toluene-d8 (Surr) 103 70 - 130

Client Sample ID: Method Blank Lab Sample ID: MB 860-103359/8 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 103359

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/16/23 11:03	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/16/23 11:03	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/16/23 11:03	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/16/23 11:03	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/16/23 11:03	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/16/23 11:03	1

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 103 56 - 150 05/16/23 11:03 4-Bromofluorobenzene (Surr) 100 68 - 152 05/16/23 11:03 Dibromofluoromethane (Surr) 91 53 - 142 05/16/23 11:03 Toluene-d8 (Surr) 05/16/23 11:03 97 70 - 130

Lab Sample ID: LCS 860-103359/3 **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 103359

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04733		mg/Kg		95	66 - 142	
Toluene	0.0500	0.05151		mg/Kg		103	74 - 130	
Ethylbenzene	0.0500	0.05214		mg/Kg		104	80 - 130	
m,p-Xylenes	0.0500	0.05210		mg/Kg		104	78 - 130	
o-Xylene	0.0500	0.05186		mg/Kg		104	79 - 130	

	LCS	LCS		
Surrogate	%Recovery	Qualifier	Limits	
1,2-Dichloroethane-d4 (Surr)	99		56 - 150	
4-Bromofluorobenzene (Surr)	103		68 - 152	
Dibromofluoromethane (Surr)	93		53 - 142	
Toluene-d8 (Surr)	102		70 - 130	

Prep Type: Total/NA

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-103359/4 Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 103359

	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifie	er Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04522	mg/Kg		90	66 - 142	5	25
Toluene	0.0500	0.04892	mg/Kg		98	74 - 130	5	25
Ethylbenzene	0.0500	0.04993	mg/Kg		100	80 - 130	4	25
m,p-Xylenes	0.0500	0.05005	mg/Kg		100	78 - 130	4	25
o-Xylene	0.0500	0.05019	mg/Kg		100	79 - 130	3	25

LCSD LCSD

MB MB

<0.00100 U

<0.00500 U

<0.00100 U

<0.00200 U

Result Qualifier

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		56 - 150
4-Bromofluorobenzene (Surr)	104		68 - 152
Dibromofluoromethane (Surr)	92		53 - 142
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 860-103362/8 Client Sample ID: Method Blank

Matrix: Solid

Analyte

Benzene

Toluene

Ethylbenzene

m,p-Xylenes

Analysis Batch: 103362

Prep Type: Total/NA

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Dil Fac

05/16/23 10:40 05/16/23 10:40 05/16/23 10:40

Analyzed

05/16/23 10:40

Prepared

o-Xylene <0.00100 U 05/16/23 10:40 0.00100 mg/Kg Xylenes, Total <0.00200 U 0.00200 mg/Kg 05/16/23 10:40 MB MB

RL

0.00100

0.00500

0.00100

0.00200

Surrogate	%Recovery Q	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96	56 - 150		05/16/23 10:40	1
4-Bromofluorobenzene (Surr)	95	68 - 152		05/16/23 10:40	1
Dibromofluoromethane (Surr)	97	53 - 142		05/16/23 10:40	1
Toluene-d8 (Surr)	92	70 - 130		05/16/23 10:40	1

Lab Sample ID: LCS 860-103362/3

Matrix: Solid

Analysis Batch: 103362

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

	Spike	LCS LCS			%Rec
Analyte	Added	Result Qualifier	Unit D	%Rec	Limits
Benzene	0.0500	0.05064	mg/Kg	101	66 - 142
Toluene	0.0500	0.05171	mg/Kg	103	74 - 130
Ethylbenzene	0.0500	0.05265	mg/Kg	105	80 - 130
m,p-Xylenes	0.0500	0.05100	mg/Kg	102	78 - 130
o-Xylene	0.0500	0.05213	mg/Kg	104	79 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		56 - 150
4-Bromofluorobenzene (Surr)	97		68 - 152
Dibromofluoromethane (Surr)	105		53 - 142
Toluene-d8 (Surr)	100		70 - 130

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: LCSD 860-103362/4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 103362

•	Spike	LCSD I	LCSD				%Rec		RPD
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.05051		mg/Kg		101	66 - 142	0	25
Toluene	0.0500	0.04940		mg/Kg		99	74 - 130	5	25
Ethylbenzene	0.0500	0.05265		mg/Kg		105	80 - 130	0	25
m,p-Xylenes	0.0500	0.05054		mg/Kg		101	78 - 130	1	25
o-Xylene	0.0500	0.05152		mg/Kg		103	79 - 130	1	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		56 - 150
4-Bromofluorobenzene (Surr)	99		68 - 152
Dibromofluoromethane (Surr)	104		53 - 142
Toluene-d8 (Surr)	96		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 103367

Lab Sample ID: MB 860-103367/8

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/16/23 12:43	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/16/23 12:43	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/16/23 12:43	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/16/23 12:43	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/16/23 12:43	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/16/23 12:43	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyz	zed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		56 - 150	05/16/23	12:43	1
4-Bromofluorobenzene (Surr)	89		68 - 152	05/16/23	12:43	1
Dibromofluoromethane (Surr)	94		53 - 142	05/16/23	12:43	1
Toluene-d8 (Surr)	95		70 - 130	05/16/23	12:43	1

Lab Sample ID: LCS 860-103367/3

Matrix: Solid

Analysis Batch: 103367

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.05529		mg/Kg		111	66 - 142	
Toluene	0.0500	0.06095		mg/Kg		122	74 - 130	
Ethylbenzene	0.0500	0.05970		mg/Kg		119	80 - 130	
m,p-Xylenes	0.0500	0.06007		mg/Kg		120	78 - 130	
o-Xylene	0.0500	0.06075		mg/Kg		122	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		56 - 150
4-Bromofluorobenzene (Surr)	92		68 ₋ 152
Dibromofluoromethane (Surr)	100		53 - 142
Toluene-d8 (Surr)	100		70 - 130

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: LCSD 860-103367/4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 103367

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04447		mg/Kg		89	66 - 142	22	25
Toluene	0.0500	0.04688	*1	mg/Kg		94	74 - 130	26	25
Ethylbenzene	0.0500	0.04673		mg/Kg		93	80 - 130	24	25
m,p-Xylenes	0.0500	0.04626	*1	mg/Kg		93	78 - 130	26	25
o-Xylene	0.0500	0.04765		mg/Kg		95	79 - 130	24	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		56 - 150
4-Bromofluorobenzene (Surr)	100		68 - 152
Dibromofluoromethane (Surr)	100		53 - 142
Toluene-d8 (Surr)	100		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 103493

Lab Sample ID: MB 860-103493/7

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/17/23 03:33	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/17/23 03:33	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/17/23 03:33	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/17/23 03:33	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/17/23 03:33	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/17/23 03:33	1

MB MB

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	56 - 150		05/17/23 03:33	1
4-Bromofluorobenzene (Surr)	93	68 - 152		05/17/23 03:33	1
Dibromofluoromethane (Surr)	95	53 - 142		05/17/23 03:33	1
Toluene-d8 (Surr)	96	70 - 130		05/17/23 03:33	1

Lab Sample ID: LCS 860-103493/3

Matrix: Solid

Analysis Batch: 103493

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

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D '	%Rec	Limits	
Benzene	0.0500	0.04265	mg/Kg		85	66 - 142	
Toluene	0.0500	0.04639	mg/Kg		93	74 - 130	
Ethylbenzene	0.0500	0.04703	mg/Kg		94	80 - 130	
m,p-Xylenes	0.0500	0.04641	mg/Kg		93	78 - 130	
o-Xylene	0.0500	0.04797	mg/Kg		96	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		56 - 150
4-Bromofluorobenzene (Surr)	101		68 ₋ 152
Dibromofluoromethane (Surr)	101		53 - 142
Toluene-d8 (Surr)	100		70 - 130

Eurofins Midland

9/15/2023 (Rev. 1)

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-103493/4

Matrix: Solid

Analysis Batch: 103493

Client Sample	ID: Lab	Contro	I Sam	ple Dup
		Prep T	ype: T	otal/NA

	Spike	LCSD LCSD			%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D %Rec	Limits	RPD	Limit
Benzene	0.0500	0.04327	mg/Kg	87	66 - 142	1	25
Toluene	0.0500	0.04847	mg/Kg	97	74 - 130	4	25
Ethylbenzene	0.0500	0.04782	mg/Kg	96	80 - 130	2	25
m,p-Xylenes	0.0500	0.04786	mg/Kg	96	78 - 130	3	25
o-Xylene	0.0500	0.04986	mg/Kg	100	79 - 130	4	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		56 - 150
4-Bromofluorobenzene (Surr)	99		68 - 152
Dibromofluoromethane (Surr)	105		53 - 142
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 860-103555/7 Client Sample ID: Method Blank **Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 103555

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/17/23 11:48	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/17/23 11:48	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/17/23 11:48	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/17/23 11:48	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/17/23 11:48	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/17/23 11:48	1
1								

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		56 - 150		05/17/23 11:48	1
4-Bromofluorobenzene (Surr)	98		68 - 152		05/17/23 11:48	1
Dibromofluoromethane (Surr)	96		53 - 142		05/17/23 11:48	1
Toluene-d8 (Surr)	95		70 - 130		05/17/23 11:48	1

Lab Sample ID: LCS 860-103555/3

Matrix: Solid

Analysis Batch: 103555

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.05102		mg/Kg		102	66 - 142	
Toluene	0.0500	0.05226		mg/Kg		105	74 - 130	
Ethylbenzene	0.0500	0.05446		mg/Kg		109	80 - 130	
m,p-Xylenes	0.0500	0.05224		mg/Kg		104	78 - 130	
o-Xylene	0.0500	0.05311		mg/Kg		106	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		56 - 150
4-Bromofluorobenzene (Surr)	93		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	99		70 - 130

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-103555/4

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 103555

Matrix: Solid

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04439		mg/Kg		89	66 - 142	14	25
Toluene	0.0500	0.04442		mg/Kg		89	74 - 130	16	25
Ethylbenzene	0.0500	0.04629		mg/Kg		93	80 - 130	16	25
m,p-Xylenes	0.0500	0.04523		mg/Kg		90	78 - 130	14	25
o-Xylene	0.0500	0.04567		mg/Kg		91	79 - 130	15	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		56 - 150
4-Bromofluorobenzene (Surr)	101		68 - 152
Dibromofluoromethane (Surr)	109		53 - 142
Toluene-d8 (Surr)	95		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 103558

Lab Sample ID: MB 860-103558/7

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/17/23 13:35	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/17/23 13:35	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/17/23 13:35	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/17/23 13:35	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/17/23 13:35	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/17/23 13:35	1
· ·								

MB MB

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	56 - 150		05/17/23 13:35	1
4-Bromofluorobenzene (Surr)	105	68 - 152		05/17/23 13:35	1
Dibromofluoromethane (Surr)	93	53 - 142		05/17/23 13:35	1
Toluene-d8 (Surr)	99	70 - 130		05/17/23 13:35	1

Lab Sample ID: LCS 860-103558/3

Matrix: Solid

Analysis Batch: 103558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

_	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.05031		mg/Kg		101	66 - 142	
Toluene	0.0500	0.05511		mg/Kg		110	74 - 130	
Ethylbenzene	0.0500	0.05585		mg/Kg		112	80 - 130	
m,p-Xylenes	0.0500	0.05533		mg/Kg		111	78 - 130	
o-Xylene	0.0500	0.05715		mg/Kg		114	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		56 - 150
4-Bromofluorobenzene (Surr)	108		68 ₋ 152
Dibromofluoromethane (Surr)	96		53 - 142
Toluene-d8 (Surr)	101		70 - 130

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Spike

Added

0.0500

0.0500

0.0500

0.0500

0.0500

0.05363

0.05674

0.05783

0.05751

0.05908

mg/Kg

mg/Kg

Project/Site: HEP: Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-103558/4

Matrix: Solid

Analyte

Benzene

Toluene

Ethylbenzene

m,p-Xylenes

o-Xylene

Analysis Batch: 103558

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

RPD LCSD LCSD %Rec Result Qualifier Unit D %Rec Limits RPD Limit mg/Kg 107 66 - 142 6 25 mg/Kg 113 74 - 130 3 25 80 - 130 mg/Kg 116 25 3

115

118

LCSD LCSD Qualifier Surrogate %Recovery Limits 1,2-Dichloroethane-d4 (Surr) 104 56 - 150 109 4-Bromofluorobenzene (Surr) 68 - 152 Dibromofluoromethane (Surr) 98 53 - 142 Toluene-d8 (Surr) 101 70 - 130

Lab Sample ID: MB 860-103648/7

Matrix: Solid

Analysis Batch: 103648

Client Sample ID: Method Blank

78 - 130

79 - 130

Prep Type: Total/NA

MB MB

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed 0.00100 Benzene <0.00100 U mg/Kg 05/17/23 15:30 Toluene <0.00500 U 0.00500 mg/Kg 05/17/23 15:30 Ethylbenzene <0.00100 U 0.00100 mg/Kg 05/17/23 15:30 m,p-Xylenes <0.00200 U 0.00200 05/17/23 15:30 mg/Kg o-Xylene <0.00100 U 0.00100 mg/Kg 05/17/23 15:30 Xylenes, Total <0.00200 U 0.00200 mg/Kg 05/17/23 15:30

MB MB

Surrogate	%Recovery G	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90	56 - 150		05/17/23 15:30	1
4-Bromofluorobenzene (Surr)	89	68 - 152		05/17/23 15:30	1
Dibromofluoromethane (Surr)	91	53 - 142		05/17/23 15:30	1
Toluene-d8 (Surr)	95	70 - 130		05/17/23 15:30	1

Lab Sample ID: LCS 860-103648/3

Matrix: Solid

Analysis Batch: 103648

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04912		mg/Kg		98	66 - 142	
Toluene	0.0500	0.05579		mg/Kg		112	74 - 130	
Ethylbenzene	0.0500	0.05494		mg/Kg		110	80 - 130	
m,p-Xylenes	0.0500	0.05602		mg/Kg		112	78 - 130	
o-Xylene	0.0500	0.05813		mg/Kg		116	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		56 - 150
4-Bromofluorobenzene (Surr)	99		68 - 152
Dibromofluoromethane (Surr)	98		53 - 142
Toluene-d8 (Surr)	99		70 - 130

25

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: LCSD 860-103648/4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 103648

•	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04490		mg/Kg		90	66 - 142	9	25
Toluene	0.0500	0.04699		mg/Kg		94	74 - 130	17	25
Ethylbenzene	0.0500	0.04540		mg/Kg		91	80 - 130	19	25
m,p-Xylenes	0.0500	0.04526		mg/Kg		91	78 - 130	21	25
o-Xylene	0.0500	0.04691		mg/Kg		94	79 - 130	21	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		56 - 150
4-Bromofluorobenzene (Surr)	99		68 - 152
Dibromofluoromethane (Surr)	99		53 - 142
Toluene-d8 (Surr)	97		70 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 860-48764-D-7-B MS

Matrix: Solid

Analysis Batch: 103367

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

Prep Batch: 102802

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Benzene - DL 1.06 39.9 39.30 71 - 119 mg/Kg 96 Toluene - DL <3.99 U *1 39.9 44.30 mg/Kg 111 74 - 122 Ethylbenzene - DL 15.0 39.9 64.20 mg/Kg 123 80 - 123 o-Xylene - DL 32.4 F1 39.9 94.73 F1 mg/Kg 156 79 - 125

MS MS

	1110	1610	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr) -	91		56 - 150
DL			
4-Bromofluorobenzene (Surr) -	98		68 - 152
DL			
Dibromofluoromethane (Surr) -	99		53 - 142
DL			
Toluene-d8 (Surr) - DL	94		70 - 130

Lab Sample ID: 860-48964-B-1-A MS

Matrix: Solid

Analysis Batch: 103648

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

Prep Batch: 103197

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene - DL	<0.171	U	8.53	7.475		mg/Kg	_	86	71 - 119	
Toluene - DL	< 0.853	U	8.53	8.069		mg/Kg		95	74 - 122	
Ethylbenzene - DL	4.44		8.53	13.38		mg/Kg		105	80 - 123	
m,p-Xylenes - DL	12.9		8.53	23.29		mg/Kg		121	78 - 127	
o-Xylene - DL	<0.171	U	8.53	8.449		mg/Kg		99	79 - 125	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr) -	93		56 - 150
DL			
4-Bromofluorobenzene (Surr) -	104		68 - 152
DI			

Project/Site: HEP: Hobbs Station TK 5202

Lab Sample ID: 860-48964-B-1-A MS

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Matrix: Solid

Analysis Batch: 103648

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

Prep Batch: 103197

MS MS %Recovery Qualifier Surrogate

Limits Dibromofluoromethane (Surr) -96 53 - 142 DΙ 100 70 - 130

Toluene-d8 (Surr) - DL

Lab Sample ID: 860-49010-C-2-A MS

Matrix: Solid

Analysis Batch: 103359

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

Prep Batch: 103260

%Rec

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene - DL <0.990 Ū 49.5 48.07 95 71 - 119 mg/Kg Toluene - DL 31.7 49.5 71.36 mg/Kg 80 74 - 122 Ethylbenzene - DL 69.58 83 28.5 49.5 mg/Kg 80 - 123 m,p-Xylenes - DL 49.5 94.06 F1 53 67.6 F1 mg/Kg 78 - 127 o-Xylene - DL 24.9 49.5 67.13 mg/Kg 85 79 - 125

MS MS

Surrogate %Recovery Qualifier Limits 56 - 150 1,2-Dichloroethane-d4 (Surr) -101 4-Bromofluorobenzene (Surr) -102 68 - 152 Dibromofluoromethane (Surr) -92 53 - 142 DL Toluene-d8 (Surr) - DL 70 - 130 101

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Matrix: Solid

o-Xylene - RA

Analysis Batch: 103493

Lab Sample ID: 860-48633-A-2-D MS

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

79 - 125

129

Prep Batch: 102802

%Rec Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Benzene - RA 2.86 12.1 13.13 85 71 - 119 mg/Kg Toluene - RA <1.21 U 12.1 11.42 mg/Kg 94 74 - 122 11.91 Ethylbenzene - RA 0.484 12.1 mg/Kg 94 80 - 123m,p-Xylenes - RA 0.915 12.1 12.18 mg/Kg 93 78 - 127

17.28 F1

mg/Kg

12.1

MS MS

1.60 F1

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr) -	94		56 - 150
RA			
4-Bromofluorobenzene (Surr) -	108		68 - 152
RA			
Dibromofluoromethane (Surr) -	106		53 ₋ 142
RA			
Toluene-d8 (Surr) - RA	105		70 - 130

Project/Site: HEP: Hobbs Station TK 5202

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

Lab Sample ID: MB 880-53305/1-A

Matrix: Solid

Analysis Batch: 53316

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53305

MB MB Result Qualifier RL Unit Prepared Analyzed Dil Fac Analyte 05/12/23 21:07 05/13/23 19:37 Gasoline Range Organics <50.0 U 50.0 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 05/12/23 21:07 05/13/23 19:37 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 05/12/23 21:07 05/13/23 19:37 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	162	S1+	70 - 130	05/12/23 21:07	05/13/23 19:37	1
o-Terphenyl	129		70 - 130	05/12/23 21:07	05/13/23 19:37	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 53305

Prep Type: Total/NA

Prep Batch: 53305

Matrix: Solid Analysis Batch: 53316

Lab Sample ID: LCS 880-53305/2-A

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	 1000	863.6		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	907.9		mg/Kg		91	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	101	70 - 130
o-Terphenyl	79	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Lab Sample ID: LCSD 880-53305/3-A

Analysis Batch: 53316

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	864.7		mg/Kg		86	70 - 130	0	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	904.5		mg/Kg		90	70 - 130	0	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	105	70 - 130
o-Terphenyl	81	70 - 130

Lab Sample ID: 880-28372-16 MS Client Sample ID: TT-5 @ 5' Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 53316									Prep Batch: 5330		
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	986.3		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	999	847.5		mg/Kg		81	70 - 130		

Project/Site: HEP: Hobbs Station TK 5202

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

MS MS

Lab Sample ID: 880-28372-16 MS

Matrix: Solid

Analysis Batch: 53316

Client Sample ID: TT-5 @ 5'

Prep Type: Total/NA

Prep Batch: 53305

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 129 70 - 130 o-Terphenyl 92 70 - 130

Client Sample ID: TT-5 @ 5' Lab Sample ID: 880-28372-16 MSD Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 53316

Analysis Batch: 53316									Prep E	Batch:	53305
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	999	954.3		mg/Kg		93	70 - 130	3	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	999	819 0		ma/Ka		78	70 - 130	3	20

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	123		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: MB 880-53306/1-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 53306

MB MB Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 mg/Kg 05/12/23 21:11 05/13/23 19:37 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/12/23 21:11 05/13/23 19:37 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 05/12/23 21:11 05/13/23 19:37 mg/Kg

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 143 S1+ 70 - 130 05/12/23 21:11 05/13/23 19:37 175 S1+ 70 - 130 05/12/23 21:11 05/13/23 19:37 o-Terphenyl

Lab Sample ID: LCS 880-53306/2-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 53306

LCS LCS Spike %Rec Added Result Qualifier %Rec Limits Analyte Unit 1000 Gasoline Range Organics 948.3 95 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 966.5 mg/Kg 97 70 - 130

C10-C28)

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	96	70 - 130
o-Terphenvl	112	70 - 130

Project/Site: HEP: Hobbs Station TK 5202

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

Lab Sample ID: LCSD 880-53306/3-A

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53306 %Rec **RPD**

Spike LCSD LCSD Added Result Qualifier %Rec Limits RPD Limit Analyte Unit Gasoline Range Organics 1000 1134 mg/Kg 113 70 - 130 18 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1136 mg/Kg 114 70 - 13016 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier 1-Chlorooctane 126

o-Terphenyl 144 S1+

Lab Sample ID: 880-28372-21 MS

Analysis Batch: 53318

Client Sample ID: TT-5 @ 10' **Matrix: Solid Prep Type: Total/NA** Prep Batch: 53306

Limits 70 - 130

70 - 130

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier D %Rec Limits

Analyte Unit Gasoline Range Organics <49.9 U 998 846.7 82 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 998 1005 mg/Kg 98 70 - 130

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 117 70 - 130 o-Terphenyl 126 70 - 130

Lab Sample ID: 880-28372-21 MSD

Matrix: Solid

Analysis Batch: 53318

Client Sample ID: TT-5 @ 10'

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 53306

Spike MSD MSD %Rec **RPD** Sample Sample Analyte Result Qualifier Added Unit %Rec Limits RPD Limit Result Qualifier Ū 997 Gasoline Range Organics <49.9 868.4 84 70 - 130 3 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 997 1023 99 70 - 130 2 20 mg/Kg

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 120 70 - 130 129 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53284/1-A

Matrix: Solid

Analysis Batch: 53351

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U mg/Kg 05/13/23 22:34

Eurofins Midland

Prep Type: Soluble

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-53284/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 53351

Spike LCS LCS %Rec Result Qualifier Added Limits Analyte Unit D %Rec Chloride 250 257.4 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-53284/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 53351

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 250 90 - 110 Chloride 259.0 mg/Kg 104

Lab Sample ID: 880-28372-1 MS Client Sample ID: TT-2 @ 7' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53351

Spike MS MS %Rec Sample Sample Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec Chloride 285 249 522.0 95 90 - 110 mg/Kg

Lab Sample ID: 880-28372-1 MSD

Matrix: Solid

Analysis Batch: 53351

Spike MSD MSD **RPD** Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 285 249 521.3 mg/Kg 90 - 110

Lab Sample ID: 880-28372-11 MS Client Sample ID: TT-4 @ 13'

Matrix: Solid

Analysis Batch: 53351

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 252 104 93.8 354.1 mg/Kg 90 - 110

Lab Sample ID: 880-28372-11 MSD Client Sample ID: TT-4 @ 13'

Matrix: Solid

Analysis Batch: 53351

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added **RPD** Analyte Result Qualifier Unit D %Rec Limits Limit 252 Chloride 93.8 353.1 mg/Kg 103 90 - 110

Lab Sample ID: MB 880-53283/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 53352

MB MB Result Qualifier RL Unit D Analyte Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U mg/Kg 05/14/23 01:41

Lab Sample ID: LCS 880-53283/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53352

Released to Imaging: 12/14/2023 3:22:23 PM

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 253.5 mg/Kg 101 90 - 110

Eurofins Midland

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: TT-2 @ 7'

Prep Type: Soluble

Prep Type: Soluble

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-53283/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53352 Spike LCSD LCSD %Rec

Added Result Qualifier Unit %Rec Limits RPD Limit Analyte Chloride 250 254.2 mg/Kg 102 90 - 110 0 20

Lab Sample ID: 880-28372-21 MS Client Sample ID: TT-5 @ 10' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53352

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits 249 90 - 110 Chloride 46.7 285.6 mg/Kg 96

Lab Sample ID: 880-28372-21 MSD Client Sample ID: TT-5 @ 10' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53352

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit **Analyte** Unit %Rec Chloride 46.7 249 285.1 96 90 - 110 mg/Kg

Lab Sample ID: 880-28372-31 MS Client Sample ID: TT-6 @ 8' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53352

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 252 305.7 50.8 mg/Kg 101 90 - 110

Lab Sample ID: 880-28372-31 MSD Client Sample ID: TT-6 @ 8' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53352

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Limits RPD Result Qualifier Unit %Rec Limit Chloride 50.8 252 306.4 102 20 mg/Kg 90 - 110 0

Eurofins Midland

RPD

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Job ID: 880-28372-1

GC/MS VOA

Prep Batch: 102802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-48633-A-2-D MS - RA	Matrix Spike	Total/NA	Solid	5035	
860-48764-D-7-B MS - DL	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 102953

Lab Sample ID 880-28372-40	Client Sample ID Trip Blank	Prep Type Total/NA	Matrix Water	Method 8260C	Prep Batch
MB 860-102953/9	Method Blank	Total/NA	Water	8260C	
LCS 860-102953/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-102953/4	Lab Control Sample Dup	Total/NA	Water	8260C	
860-48897-P-1 MS	Matrix Spike	Total/NA	Water	8260C	

Prep Batch: 102988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-48960-C-13-A MS	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 103197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-48964-B-1-A MS - DL	Matrix Spike	Total/NA	Solid	5035	

Prep Batch: 103260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-49010-C-2-A MS - DL	Matrix Spike	Total/NA	Solid	5030C	

Prep Batch: 103279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-8447-D-1-A MS	Matrix Spike	Total/NA	Solid	5035	
820-8447-D-8-A MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 103359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-16	TT-5 @ 5'	Total/NA	Solid	8260C	103391
880-28372-17	TT-5 @ 6'	Total/NA	Solid	8260C	103391
880-28372-18	TT-5 @ 7'	Total/NA	Solid	8260C	103391
880-28372-19	TT-5 @ 8'	Total/NA	Solid	8260C	103391
880-28372-20	TT-5 @ 9'	Total/NA	Solid	8260C	103391
880-28372-21	TT-5 @ 10'	Total/NA	Solid	8260C	103391
880-28372-22	TT-5 @ 11'	Total/NA	Solid	8260C	103391
880-28372-23	TT-5 @ 12'	Total/NA	Solid	8260C	103391
880-28372-24	TT-5 @ 13'	Total/NA	Solid	8260C	103391
880-28372-30	TT-6 @ 7'	Total/NA	Solid	8260C	103391
880-28372-31	TT-6 @ 8'	Total/NA	Solid	8260C	103391
880-28372-32	TT-6 @ 9'	Total/NA	Solid	8260C	103391
880-28372-33	TT-6 @ 10'	Total/NA	Solid	8260C	103391
880-28372-34	TT-6 @ 11'	Total/NA	Solid	8260C	103391
MB 860-103359/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-103359/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103359/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-49010-C-2-A MS - DL	Matrix Spike	Total/NA	Solid	8260C	103260

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

GC/MS VOA

Analysis Batch: 103362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-35	TT-6 @ 12'	Total/NA	Solid	8260C	103391
880-28372-36	TT-6 @ 13'	Total/NA	Solid	8260C	103391
880-28372-37	TT-6 @ 14'	Total/NA	Solid	8260C	103391
880-28372-38	TT-6 @ 15'	Total/NA	Solid	8260C	103391
880-28372-39	TT-6 @ 16'	Total/NA	Solid	8260C	103391
MB 860-103362/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-103362/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103362/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-48960-C-13-A MS	Matrix Spike	Total/NA	Solid	8260C	102988

Analysis Batch: 103367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Total/NA	Solid	8260C	103391
880-28372-2	TT-2 @ 8'	Total/NA	Solid	8260C	103391
880-28372-3	TT-2 @ 9'	Total/NA	Solid	8260C	103391
880-28372-4	TT-2 @ 10'	Total/NA	Solid	8260C	103391
880-28372-5	TT-2 @ 11'	Total/NA	Solid	8260C	103391
880-28372-7	TT-2 @ 13'	Total/NA	Solid	8260C	103391
880-28372-8	TT-2 @ 14'	Total/NA	Solid	8260C	103391
880-28372-9	TT-2 @ 15'	Total/NA	Solid	8260C	103391
880-28372-10	TT-2 @ 16'	Total/NA	Solid	8260C	103391
MB 860-103367/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-103367/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103367/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-48764-D-7-B MS - DL	Matrix Spike	Total/NA	Solid	8260C	102802

Prep Batch: 103391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Total/NA	Solid	5035	<u> </u>
880-28372-2	TT-2 @ 8'	Total/NA	Solid	5035	
880-28372-2 - DL	TT-2 @ 8'	Total/NA	Solid	5035	
880-28372-3	TT-2 @ 9'	Total/NA	Solid	5035	
880-28372-3 - DL	TT-2 @ 9'	Total/NA	Solid	5035	
880-28372-4	TT-2 @ 10'	Total/NA	Solid	5035	
880-28372-4 - DL	TT-2 @ 10'	Total/NA	Solid	5035	
880-28372-5	TT-2 @ 11'	Total/NA	Solid	5035	
880-28372-5 - DL	TT-2 @ 11'	Total/NA	Solid	5035	
880-28372-6	TT-2 @ 12'	Total/NA	Solid	5035	
880-28372-7	TT-2 @ 13'	Total/NA	Solid	5035	
880-28372-8	TT-2 @ 14'	Total/NA	Solid	5035	
880-28372-9 - DL	TT-2 @ 15'	Total/NA	Solid	5035	
880-28372-9	TT-2 @ 15'	Total/NA	Solid	5035	
880-28372-10	TT-2 @ 16'	Total/NA	Solid	5035	
880-28372-10 - DL	TT-2 @ 16'	Total/NA	Solid	5035	
880-28372-11	TT-4 @ 13'	Total/NA	Solid	5035	
880-28372-12	TT-4 @ 14'	Total/NA	Solid	5035	
880-28372-12 - DL	TT-4 @ 14'	Total/NA	Solid	5035	
880-28372-13 - DL	TT-4 @ 15'	Total/NA	Solid	5035	
880-28372-13	TT-4 @ 15'	Total/NA	Solid	5035	
880-28372-14 - DL	TT-4 @ 16'	Total/NA	Solid	5035	
880-28372-14	TT-4 @ 16'	Total/NA	Solid	5035	

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Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

GC/MS VOA (Continued)

Prep Batch: 103391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-15	Dup-01	Total/NA	Solid	5035	
880-28372-16	TT-5 @ 5'	Total/NA	Solid	5035	
880-28372-17	TT-5 @ 6'	Total/NA	Solid	5035	
880-28372-18	TT-5 @ 7'	Total/NA	Solid	5035	
880-28372-19	TT-5 @ 8'	Total/NA	Solid	5035	
880-28372-20	TT-5 @ 9'	Total/NA	Solid	5035	
880-28372-21	TT-5 @ 10'	Total/NA	Solid	5035	
880-28372-22	TT-5 @ 11'	Total/NA	Solid	5035	
880-28372-23	TT-5 @ 12'	Total/NA	Solid	5035	
880-28372-24	TT-5 @ 13'	Total/NA	Solid	5035	
880-28372-30	TT-6 @ 7'	Total/NA	Solid	5035	
880-28372-31	TT-6 @ 8'	Total/NA	Solid	5035	
880-28372-32	TT-6 @ 9'	Total/NA	Solid	5035	
880-28372-33	TT-6 @ 10'	Total/NA	Solid	5035	
880-28372-34	TT-6 @ 11'	Total/NA	Solid	5035	
880-28372-35	TT-6 @ 12'	Total/NA	Solid	5035	
880-28372-36	TT-6 @ 13'	Total/NA	Solid	5035	
880-28372-37	TT-6 @ 14'	Total/NA	Solid	5035	
880-28372-38	TT-6 @ 15'	Total/NA	Solid	5035	
880-28372-39	TT-6 @ 16'	Total/NA	Solid	5035	

Analysis Batch: 103488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-40	Trip Blank	Total/NA	Water	Total BTEX	

Analysis Batch: 103493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-25	TT-5 @ 14'	Total/NA	Solid	8260C	103574
880-28372-26	TT-5 @ 15'	Total/NA	Solid	8260C	103574
880-28372-27	TT-5 @ 16'	Total/NA	Solid	8260C	103574
880-28372-28	TT-6 @ 5'	Total/NA	Solid	8260C	103574
880-28372-29	TT-6 @ 6'	Total/NA	Solid	8260C	103574
MB 860-103493/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-103493/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103493/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-48633-A-2-D MS - RA	Matrix Spike	Total/NA	Solid	8260C	102802

Analysis Batch: 103555

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-5 - DL	TT-2 @ 11'	Total/NA	Solid	8260C	103391
880-28372-11	TT-4 @ 13'	Total/NA	Solid	8260C	103391
880-28372-12	TT-4 @ 14'	Total/NA	Solid	8260C	103391
880-28372-12 - DL	TT-4 @ 14'	Total/NA	Solid	8260C	103391
880-28372-13	TT-4 @ 15'	Total/NA	Solid	8260C	103391
880-28372-13 - DL	TT-4 @ 15'	Total/NA	Solid	8260C	10339
880-28372-14	TT-4 @ 16'	Total/NA	Solid	8260C	10339
880-28372-14 - DL	TT-4 @ 16'	Total/NA	Solid	8260C	10339 ²
880-28372-15	Dup-01	Total/NA	Solid	8260C	10339
MB 860-103555/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-103555/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103555/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Client: TRC Solutions, Inc.

Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

GC/MS VOA (Continued)

Analysis Batch: 103555 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-8447-D-1-A MS	Matrix Spike	Total/NA	Solid	8260C	103279

Analysis Batch: 103558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-2 - DL	TT-2 @ 8'	Total/NA	Solid	8260C	103391
880-28372-3 - DL	TT-2 @ 9'	Total/NA	Solid	8260C	103391
880-28372-4 - DL	TT-2 @ 10'	Total/NA	Solid	8260C	103391
880-28372-10 - DL	TT-2 @ 16'	Total/NA	Solid	8260C	103391
MB 860-103558/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-103558/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103558/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
820-8447-D-8-A MS	Matrix Spike	Total/NA	Solid	8260C	103279

Prep Batch: 103574

Lab Sample ID 880-28372-25	Client Sample ID TT-5 @ 14'	Prep Type Total/NA	Solid	Method 5035	Prep Batch
880-28372-26	TT-5 @ 15'	Total/NA	Solid	5035	
880-28372-27	TT-5 @ 16'	Total/NA	Solid	5035	
880-28372-28	TT-6 @ 5'	Total/NA	Solid	5035	
880-28372-29	TT-6 @ 6'	Total/NA	Solid	5035	

Analysis Batch: 103648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-6	TT-2 @ 12'	Total/NA	Solid	8260C	103391
880-28372-9 - DL	TT-2 @ 15'	Total/NA	Solid	8260C	103391
MB 860-103648/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-103648/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-103648/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-48964-B-1-A MS - DL	Matrix Spike	Total/NA	Solid	8260C	103197

Analysis Batch: 103714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-16	TT-5 @ 5'	Total/NA	Solid	Total BTEX	
880-28372-17	TT-5 @ 6'	Total/NA	Solid	Total BTEX	
880-28372-18	TT-5 @ 7'	Total/NA	Solid	Total BTEX	
880-28372-19	TT-5 @ 8'	Total/NA	Solid	Total BTEX	
880-28372-20	TT-5 @ 9'	Total/NA	Solid	Total BTEX	
880-28372-21	TT-5 @ 10'	Total/NA	Solid	Total BTEX	
880-28372-22	TT-5 @ 11'	Total/NA	Solid	Total BTEX	
880-28372-23	TT-5 @ 12'	Total/NA	Solid	Total BTEX	

Analysis Batch: 103732

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Total/NA	Solid	Total BTEX	
880-28372-5	TT-2 @ 11'	Total/NA	Solid	Total BTEX	
880-28372-7	TT-2 @ 13'	Total/NA	Solid	Total BTEX	
880-28372-8	TT-2 @ 14'	Total/NA	Solid	Total BTEX	
880-28372-11	TT-4 @ 13'	Total/NA	Solid	Total BTEX	
880-28372-12	TT-4 @ 14'	Total/NA	Solid	Total BTEX	
880-28372-13	TT-4 @ 15'	Total/NA	Solid	Total BTEX	
880-28372-14	TT-4 @ 16'	Total/NA	Solid	Total BTEX	

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Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

GC/MS VOA (Continued)

Analysis Batch: 103732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-15	Dup-01	Total/NA	Solid	Total BTEX	
880-28372-30	TT-6 @ 7'	Total/NA	Solid	Total BTEX	
880-28372-32	TT-6 @ 9'	Total/NA	Solid	Total BTEX	
880-28372-33	TT-6 @ 10'	Total/NA	Solid	Total BTEX	
880-28372-34	TT-6 @ 11'	Total/NA	Solid	Total BTEX	
880-28372-35	TT-6 @ 12'	Total/NA	Solid	Total BTEX	
880-28372-36	TT-6 @ 13'	Total/NA	Solid	Total BTEX	
880-28372-37	TT-6 @ 14'	Total/NA	Solid	Total BTEX	
880-28372-38	TT-6 @ 15'	Total/NA	Solid	Total BTEX	
880-28372-39	TT-6 @ 16'	Total/NA	Solid	Total BTEX	

Analysis Batch: 103733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-2	TT-2 @ 8'	Total/NA	Solid	Total BTEX	
880-28372-3	TT-2 @ 9'	Total/NA	Solid	Total BTEX	
880-28372-4	TT-2 @ 10'	Total/NA	Solid	Total BTEX	
880-28372-6	TT-2 @ 12'	Total/NA	Solid	Total BTEX	
880-28372-9	TT-2 @ 15'	Total/NA	Solid	Total BTEX	
880-28372-10	TT-2 @ 16'	Total/NA	Solid	Total BTEX	
880-28372-24	TT-5 @ 13'	Total/NA	Solid	Total BTEX	
880-28372-25	TT-5 @ 14'	Total/NA	Solid	Total BTEX	
880-28372-26	TT-5 @ 15'	Total/NA	Solid	Total BTEX	
880-28372-27	TT-5 @ 16'	Total/NA	Solid	Total BTEX	
880-28372-28	TT-6 @ 5'	Total/NA	Solid	Total BTEX	
880-28372-29	TT-6 @ 6'	Total/NA	Solid	Total BTEX	
880-28372-31	TT-6 @ 8'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 53305

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-28372-1	TT-2 @ 7'	Total/NA	Solid	8015NM Prep	
880-28372-2	TT-2 @ 8'	Total/NA	Solid	8015NM Prep	
880-28372-3	TT-2 @ 9'	Total/NA	Solid	8015NM Prep	
880-28372-4	TT-2 @ 10'	Total/NA	Solid	8015NM Prep	
880-28372-5	TT-2 @ 11'	Total/NA	Solid	8015NM Prep	
880-28372-6	TT-2 @ 12'	Total/NA	Solid	8015NM Prep	
880-28372-7	TT-2 @ 13'	Total/NA	Solid	8015NM Prep	
880-28372-8	TT-2 @ 14'	Total/NA	Solid	8015NM Prep	
880-28372-9	TT-2 @ 15'	Total/NA	Solid	8015NM Prep	
880-28372-10	TT-2 @ 16'	Total/NA	Solid	8015NM Prep	
880-28372-11	TT-4 @ 13'	Total/NA	Solid	8015NM Prep	
880-28372-12	TT-4 @ 14'	Total/NA	Solid	8015NM Prep	
880-28372-13	TT-4 @ 15'	Total/NA	Solid	8015NM Prep	
880-28372-14	TT-4 @ 16'	Total/NA	Solid	8015NM Prep	
880-28372-15	Dup-01	Total/NA	Solid	8015NM Prep	
880-28372-16	TT-5 @ 5'	Total/NA	Solid	8015NM Prep	
880-28372-17	TT-5 @ 6'	Total/NA	Solid	8015NM Prep	
880-28372-18	TT-5 @ 7'	Total/NA	Solid	8015NM Prep	
880-28372-19	TT-5 @ 8'	Total/NA	Solid	8015NM Prep	
880-28372-20	TT-5 @ 9'	Total/NA	Solid	8015NM Prep	

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP : Hobbs Station TK 5202

GC Semi VOA (Continued)

Prep Batch: 53305 (Continued)

Lab Sample ID MB 880-53305/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
LCS 880-53305/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53305/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28372-16 MS	TT-5 @ 5'	Total/NA	Solid	8015NM Prep	
880-28372-16 MSD	TT-5 @ 5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 53306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-21	TT-5 @ 10'	Total/NA	Solid	8015NM Prep	
880-28372-22	TT-5 @ 11'	Total/NA	Solid	8015NM Prep	
880-28372-23	TT-5 @ 12'	Total/NA	Solid	8015NM Prep	
880-28372-24	TT-5 @ 13'	Total/NA	Solid	8015NM Prep	
880-28372-25	TT-5 @ 14'	Total/NA	Solid	8015NM Prep	
880-28372-26	TT-5 @ 15'	Total/NA	Solid	8015NM Prep	
880-28372-27	TT-5 @ 16'	Total/NA	Solid	8015NM Prep	
880-28372-28	TT-6 @ 5'	Total/NA	Solid	8015NM Prep	
880-28372-29	TT-6 @ 6'	Total/NA	Solid	8015NM Prep	
880-28372-30	TT-6 @ 7'	Total/NA	Solid	8015NM Prep	
880-28372-31	TT-6 @ 8'	Total/NA	Solid	8015NM Prep	
880-28372-32	TT-6 @ 9'	Total/NA	Solid	8015NM Prep	
880-28372-33	TT-6 @ 10'	Total/NA	Solid	8015NM Prep	
880-28372-34	TT-6 @ 11'	Total/NA	Solid	8015NM Prep	
880-28372-35	TT-6 @ 12'	Total/NA	Solid	8015NM Prep	
880-28372-36	TT-6 @ 13'	Total/NA	Solid	8015NM Prep	
880-28372-37	TT-6 @ 14'	Total/NA	Solid	8015NM Prep	
880-28372-38	TT-6 @ 15'	Total/NA	Solid	8015NM Prep	
880-28372-39	TT-6 @ 16'	Total/NA	Solid	8015NM Prep	
MB 880-53306/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53306/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-28372-21 MS	TT-5 @ 10'	Total/NA	Solid	8015NM Prep	
880-28372-21 MSD	TT-5 @ 10'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Total/NA	Solid	8015B NM	53305
880-28372-2	TT-2 @ 8'	Total/NA	Solid	8015B NM	53305
880-28372-3	TT-2 @ 9'	Total/NA	Solid	8015B NM	53305
880-28372-4	TT-2 @ 10'	Total/NA	Solid	8015B NM	53305
880-28372-5	TT-2 @ 11'	Total/NA	Solid	8015B NM	53305
880-28372-6	TT-2 @ 12'	Total/NA	Solid	8015B NM	53305
880-28372-7	TT-2 @ 13'	Total/NA	Solid	8015B NM	53305
880-28372-8	TT-2 @ 14'	Total/NA	Solid	8015B NM	53305
880-28372-9	TT-2 @ 15'	Total/NA	Solid	8015B NM	53305
880-28372-10	TT-2 @ 16'	Total/NA	Solid	8015B NM	53305
880-28372-11	TT-4 @ 13'	Total/NA	Solid	8015B NM	53305
880-28372-12	TT-4 @ 14'	Total/NA	Solid	8015B NM	53305
880-28372-13	TT-4 @ 15'	Total/NA	Solid	8015B NM	53305
880-28372-14	TT-4 @ 16'	Total/NA	Solid	8015B NM	53305
880-28372-15	Dup-01	Total/NA	Solid	8015B NM	53305
880-28372-16	TT-5 @ 5'	Total/NA	Solid	8015B NM	53305

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Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

GC Semi VOA (Continued)

Analysis Batch: 53316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-17	TT-5 @ 6'	Total/NA	Solid	8015B NM	53305
880-28372-18	TT-5 @ 7'	Total/NA	Solid	8015B NM	53305
880-28372-19	TT-5 @ 8'	Total/NA	Solid	8015B NM	53305
880-28372-20	TT-5 @ 9'	Total/NA	Solid	8015B NM	53305
MB 880-53305/1-A	Method Blank	Total/NA	Solid	8015B NM	53305
LCS 880-53305/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53305
LCSD 880-53305/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53305
880-28372-16 MS	TT-5 @ 5'	Total/NA	Solid	8015B NM	53305
880-28372-16 MSD	TT-5 @ 5'	Total/NA	Solid	8015B NM	53305

Analysis Batch: 53318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-21	TT-5 @ 10'	Total/NA	Solid	8015B NM	53306
880-28372-22	TT-5 @ 11'	Total/NA	Solid	8015B NM	53306
880-28372-23	TT-5 @ 12'	Total/NA	Solid	8015B NM	53306
880-28372-24	TT-5 @ 13'	Total/NA	Solid	8015B NM	53306
880-28372-25	TT-5 @ 14'	Total/NA	Solid	8015B NM	53306
880-28372-26	TT-5 @ 15'	Total/NA	Solid	8015B NM	53306
880-28372-27	TT-5 @ 16'	Total/NA	Solid	8015B NM	53306
880-28372-28	TT-6 @ 5'	Total/NA	Solid	8015B NM	53306
880-28372-29	TT-6 @ 6'	Total/NA	Solid	8015B NM	53306
880-28372-30	TT-6 @ 7'	Total/NA	Solid	8015B NM	53306
880-28372-31	TT-6 @ 8'	Total/NA	Solid	8015B NM	53306
880-28372-32	TT-6 @ 9'	Total/NA	Solid	8015B NM	53306
880-28372-33	TT-6 @ 10'	Total/NA	Solid	8015B NM	53306
880-28372-34	TT-6 @ 11'	Total/NA	Solid	8015B NM	53306
880-28372-35	TT-6 @ 12'	Total/NA	Solid	8015B NM	53306
880-28372-36	TT-6 @ 13'	Total/NA	Solid	8015B NM	53306
880-28372-37	TT-6 @ 14'	Total/NA	Solid	8015B NM	53306
880-28372-38	TT-6 @ 15'	Total/NA	Solid	8015B NM	53306
880-28372-39	TT-6 @ 16'	Total/NA	Solid	8015B NM	53306
MB 880-53306/1-A	Method Blank	Total/NA	Solid	8015B NM	53306
LCS 880-53306/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53306
LCSD 880-53306/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53306
880-28372-21 MS	TT-5 @ 10'	Total/NA	Solid	8015B NM	53306
880-28372-21 MSD	TT-5 @ 10'	Total/NA	Solid	8015B NM	53306

Analysis Batch: 53420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Total/NA	Solid	8015 NM	
880-28372-2	TT-2 @ 8'	Total/NA	Solid	8015 NM	
880-28372-3	TT-2 @ 9'	Total/NA	Solid	8015 NM	
880-28372-4	TT-2 @ 10'	Total/NA	Solid	8015 NM	
880-28372-5	TT-2 @ 11'	Total/NA	Solid	8015 NM	
880-28372-6	TT-2 @ 12'	Total/NA	Solid	8015 NM	
880-28372-7	TT-2 @ 13'	Total/NA	Solid	8015 NM	
880-28372-8	TT-2 @ 14'	Total/NA	Solid	8015 NM	
880-28372-9	TT-2 @ 15'	Total/NA	Solid	8015 NM	
880-28372-10	TT-2 @ 16'	Total/NA	Solid	8015 NM	
880-28372-11	TT-4 @ 13'	Total/NA	Solid	8015 NM	
880-28372-12	TT-4 @ 14'	Total/NA	Solid	8015 NM	

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

GC Semi VOA (Continued)

Analysis Batch: 53420 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-13	TT-4 @ 15'	Total/NA	Solid	8015 NM	
880-28372-14	TT-4 @ 16'	Total/NA	Solid	8015 NM	
880-28372-15	Dup-01	Total/NA	Solid	8015 NM	
880-28372-16	TT-5 @ 5'	Total/NA	Solid	8015 NM	
880-28372-17	TT-5 @ 6'	Total/NA	Solid	8015 NM	
880-28372-18	TT-5 @ 7'	Total/NA	Solid	8015 NM	
880-28372-19	TT-5 @ 8'	Total/NA	Solid	8015 NM	
880-28372-20	TT-5 @ 9'	Total/NA	Solid	8015 NM	
880-28372-21	TT-5 @ 10'	Total/NA	Solid	8015 NM	
880-28372-22	TT-5 @ 11'	Total/NA	Solid	8015 NM	
880-28372-23	TT-5 @ 12'	Total/NA	Solid	8015 NM	
880-28372-24	TT-5 @ 13'	Total/NA	Solid	8015 NM	
880-28372-25	TT-5 @ 14'	Total/NA	Solid	8015 NM	
880-28372-26	TT-5 @ 15'	Total/NA	Solid	8015 NM	
880-28372-27	TT-5 @ 16'	Total/NA	Solid	8015 NM	
880-28372-28	TT-6 @ 5'	Total/NA	Solid	8015 NM	
880-28372-29	TT-6 @ 6'	Total/NA	Solid	8015 NM	
880-28372-30	TT-6 @ 7'	Total/NA	Solid	8015 NM	
880-28372-31	TT-6 @ 8'	Total/NA	Solid	8015 NM	
880-28372-32	TT-6 @ 9'	Total/NA	Solid	8015 NM	
880-28372-33	TT-6 @ 10'	Total/NA	Solid	8015 NM	
880-28372-34	TT-6 @ 11'	Total/NA	Solid	8015 NM	
880-28372-35	TT-6 @ 12'	Total/NA	Solid	8015 NM	
880-28372-36	TT-6 @ 13'	Total/NA	Solid	8015 NM	
880-28372-37	TT-6 @ 14'	Total/NA	Solid	8015 NM	
880-28372-38	TT-6 @ 15'	Total/NA	Solid	8015 NM	
880-28372-39	TT-6 @ 16'	Total/NA	Solid	8015 NM	

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Leach Batch: 53283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-28372-21	TT-5 @ 10'	Soluble	Solid	DI Leach	
880-28372-22	TT-5 @ 11'	Soluble	Solid	DI Leach	
880-28372-23	TT-5 @ 12'	Soluble	Solid	DI Leach	
880-28372-24	TT-5 @ 13'	Soluble	Solid	DI Leach	
880-28372-25	TT-5 @ 14'	Soluble	Solid	DI Leach	
880-28372-26	TT-5 @ 15'	Soluble	Solid	DI Leach	
880-28372-27	TT-5 @ 16'	Soluble	Solid	DI Leach	
880-28372-28	TT-6 @ 5'	Soluble	Solid	DI Leach	
880-28372-29	TT-6 @ 6'	Soluble	Solid	DI Leach	
880-28372-30	TT-6 @ 7'	Soluble	Solid	DI Leach	
880-28372-31	TT-6 @ 8'	Soluble	Solid	DI Leach	
880-28372-32	TT-6 @ 9'	Soluble	Solid	DI Leach	
880-28372-33	TT-6 @ 10'	Soluble	Solid	DI Leach	
880-28372-34	TT-6 @ 11'	Soluble	Solid	DI Leach	
880-28372-35	TT-6 @ 12'	Soluble	Solid	DI Leach	
880-28372-36	TT-6 @ 13'	Soluble	Solid	DI Leach	
880-28372-37	TT-6 @ 14'	Soluble	Solid	DI Leach	
880-28372-38	TT-6 @ 15'	Soluble	Solid	DI Leach	
880-28372-39	TT-6 @ 16'	Soluble	Solid	DI Leach	

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Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

HPLC/IC (Continued)

Leach Batch: 53283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53283/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53283/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53283/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28372-21 MS	TT-5 @ 10'	Soluble	Solid	DI Leach	
880-28372-21 MSD	TT-5 @ 10'	Soluble	Solid	DI Leach	
880-28372-31 MS	TT-6 @ 8'	Soluble	Solid	DI Leach	
880-28372-31 MSD	TT-6 @ 8'	Soluble	Solid	DI Leach	

Leach Batch: 53284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Soluble	Solid	DI Leach	
880-28372-2	TT-2 @ 8'	Soluble	Solid	DI Leach	
880-28372-3	TT-2 @ 9'	Soluble	Solid	DI Leach	
880-28372-4	TT-2 @ 10'	Soluble	Solid	DI Leach	
880-28372-5	TT-2 @ 11'	Soluble	Solid	DI Leach	
880-28372-6	TT-2 @ 12'	Soluble	Solid	DI Leach	
880-28372-7	TT-2 @ 13'	Soluble	Solid	DI Leach	
880-28372-8	TT-2 @ 14'	Soluble	Solid	DI Leach	
880-28372-9	TT-2 @ 15'	Soluble	Solid	DI Leach	
880-28372-10	TT-2 @ 16'	Soluble	Solid	DI Leach	
880-28372-11	TT-4 @ 13'	Soluble	Solid	DI Leach	
880-28372-12	TT-4 @ 14'	Soluble	Solid	DI Leach	
880-28372-13	TT-4 @ 15'	Soluble	Solid	DI Leach	
880-28372-14	TT-4 @ 16'	Soluble	Solid	DI Leach	
880-28372-15	Dup-01	Soluble	Solid	DI Leach	
880-28372-16	TT-5 @ 5'	Soluble	Solid	DI Leach	
880-28372-17	TT-5 @ 6'	Soluble	Solid	DI Leach	
880-28372-18	TT-5 @ 7'	Soluble	Solid	DI Leach	
880-28372-19	TT-5 @ 8'	Soluble	Solid	DI Leach	
880-28372-20	TT-5 @ 9'	Soluble	Solid	DI Leach	
MB 880-53284/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53284/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53284/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28372-1 MS	TT-2 @ 7'	Soluble	Solid	DI Leach	
880-28372-1 MSD	TT-2 @ 7'	Soluble	Solid	DI Leach	
880-28372-11 MS	TT-4 @ 13'	Soluble	Solid	DI Leach	
880-28372-11 MSD	TT-4 @ 13'	Soluble	Solid	DI Leach	

Analysis Batch: 53351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-1	TT-2 @ 7'	Soluble	Solid	300.0	53284
880-28372-2	TT-2 @ 8'	Soluble	Solid	300.0	53284
880-28372-3	TT-2 @ 9'	Soluble	Solid	300.0	53284
880-28372-4	TT-2 @ 10'	Soluble	Solid	300.0	53284
880-28372-5	TT-2 @ 11'	Soluble	Solid	300.0	53284
880-28372-6	TT-2 @ 12'	Soluble	Solid	300.0	53284
880-28372-7	TT-2 @ 13'	Soluble	Solid	300.0	53284
880-28372-8	TT-2 @ 14'	Soluble	Solid	300.0	53284
880-28372-9	TT-2 @ 15'	Soluble	Solid	300.0	53284
880-28372-10	TT-2 @ 16'	Soluble	Solid	300.0	53284
880-28372-11	TT-4 @ 13'	Soluble	Solid	300.0	53284

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Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

HPLC/IC (Continued)

Analysis Batch: 53351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-12	TT-4 @ 14'	Soluble	Solid	300.0	53284
880-28372-13	TT-4 @ 15'	Soluble	Solid	300.0	53284
880-28372-14	TT-4 @ 16'	Soluble	Solid	300.0	53284
880-28372-15	Dup-01	Soluble	Solid	300.0	53284
880-28372-16	TT-5 @ 5'	Soluble	Solid	300.0	53284
880-28372-17	TT-5 @ 6'	Soluble	Solid	300.0	53284
880-28372-18	TT-5 @ 7'	Soluble	Solid	300.0	53284
880-28372-19	TT-5 @ 8'	Soluble	Solid	300.0	53284
880-28372-20	TT-5 @ 9'	Soluble	Solid	300.0	53284
MB 880-53284/1-A	Method Blank	Soluble	Solid	300.0	53284
LCS 880-53284/2-A	Lab Control Sample	Soluble	Solid	300.0	53284
LCSD 880-53284/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53284
880-28372-1 MS	TT-2 @ 7'	Soluble	Solid	300.0	53284
880-28372-1 MSD	TT-2 @ 7'	Soluble	Solid	300.0	53284
880-28372-11 MS	TT-4 @ 13'	Soluble	Solid	300.0	53284
880-28372-11 MSD	TT-4 @ 13'	Soluble	Solid	300.0	53284

Analysis Batch: 53352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28372-21	TT-5 @ 10'	Soluble	Solid	300.0	53283
880-28372-22	TT-5 @ 11'	Soluble	Solid	300.0	53283
880-28372-23	TT-5 @ 12'	Soluble	Solid	300.0	53283
880-28372-24	TT-5 @ 13'	Soluble	Solid	300.0	53283
880-28372-25	TT-5 @ 14'	Soluble	Solid	300.0	53283
880-28372-26	TT-5 @ 15'	Soluble	Solid	300.0	53283
880-28372-27	TT-5 @ 16'	Soluble	Solid	300.0	53283
880-28372-28	TT-6 @ 5'	Soluble	Solid	300.0	53283
880-28372-29	TT-6 @ 6'	Soluble	Solid	300.0	53283
880-28372-30	TT-6 @ 7'	Soluble	Solid	300.0	53283
880-28372-31	TT-6 @ 8'	Soluble	Solid	300.0	53283
880-28372-32	TT-6 @ 9'	Soluble	Solid	300.0	53283
880-28372-33	TT-6 @ 10'	Soluble	Solid	300.0	53283
880-28372-34	TT-6 @ 11'	Soluble	Solid	300.0	53283
880-28372-35	TT-6 @ 12'	Soluble	Solid	300.0	53283
880-28372-36	TT-6 @ 13'	Soluble	Solid	300.0	53283
880-28372-37	TT-6 @ 14'	Soluble	Solid	300.0	53283
880-28372-38	TT-6 @ 15'	Soluble	Solid	300.0	53283
880-28372-39	TT-6 @ 16'	Soluble	Solid	300.0	53283
MB 880-53283/1-A	Method Blank	Soluble	Solid	300.0	53283
LCS 880-53283/2-A	Lab Control Sample	Soluble	Solid	300.0	53283
LCSD 880-53283/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53283
880-28372-21 MS	TT-5 @ 10'	Soluble	Solid	300.0	53283
880-28372-21 MSD	TT-5 @ 10'	Soluble	Solid	300.0	53283
880-28372-31 MS	TT-6 @ 8'	Soluble	Solid	300.0	53283
880-28372-31 MSD	TT-6 @ 8'	Soluble	Solid	300.0	53283

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Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 7'

Date Collected: 05/11/23 07:45 Date Received: 05/12/23 13:49 Lab Sample ID: 880-28372-1

Job ID: 880-28372-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		200	5 mL	5 mL	103367	05/16/23 21:11	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/13/23 23:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/13/23 22:50	CH	EET MID

Client Sample ID: TT-2 @ 8'

Date Collected: 05/11/23 07:50 Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 20:44	KLV	EET HOU
Total/NA	Prep	5035	DL		5.04 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	500	5 mL	5 mL	103558	05/17/23 14:37	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/13/23 23:31	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		5			53351	05/13/23 23:06	CH	EET MID

Client Sample ID: TT-2 @ 9'

Date Collected: 05/11/23 07:55 Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 17:00	KLV	EET HOU
Total/NA	Prep	5035	DL		5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	500	5 mL	5 mL	103558	05/17/23 14:57	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/13/23 23:53	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		5			53351	05/13/23 23:11	CH	EET MID

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Lab Sample ID: 880-28372-3 **Matrix: Solid** Date Collected: 05/11/23 08:00 **Matrix: Solid** Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 17:33	KLV	EET HOU
Total/NA	Prep	5035	DL		4.99 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	500	5 mL	5 mL	103558	05/17/23 15:18	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/14/23 01:39	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/13/23 23:17	CH	EET MID

Client Sample ID: TT-2 @ 11'

Lab Sample ID: 880-28372-5 Date Collected: 05/11/23 08:05 **Matrix: Solid**

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 18:00	KLV	EET HOU
Total/NA	Prep	5035	DL		5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	500	5 mL	5 mL	103555	05/17/23 15:13	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/14/23 03:05	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/13/23 23:22	CH	EET MID

Client Sample ID: TT-2 @ 12' Lab Sample ID: 880-28372-6 Date Collected: 05/11/23 08:10 **Matrix: Solid**

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		200	5 mL	5 mL	103648	05/17/23 17:19	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 18:18	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/14/23 00:14	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/13/23 23:38	CH	EET MID

Client Sample ID: TT-2 @ 13

Date Collected: 05/11/23 08:15 Date Received: 05/12/23 13:49 Lab Sample ID: 880-28372-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 18:55	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/14/23 01:18	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/13/23 23:43	CH	EET MID

Client Sample ID: TT-2 @ 14'

Date Collected: 05/11/23 08:20

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-8

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 103391 05/16/23 09:51 MTMG EET HOU Prep 4.97 g 5 mL 8260C Total/NA 5 mL 05/16/23 16:22 KLV **EET HOU** Analysis 50 5 mL 103367 Total/NA Total BTEX Analysis 103732 05/17/23 16:28 MTMG **EET HOU** 1 Total/NA 8015 NM **EET MID** Analysis 1 53420 05/15/23 16:59 SM Total/NA Prep 8015NM Prep 10.00 g 10 mL 53305 05/12/23 21:07 AJ **EET MID** Total/NA 8015B NM Analysis 1 uL 1 uL 53316 05/14/23 00:36 SM **EET MID** Soluble 50 mL 53284 Leach DI Leach 4.95 g 05/12/23 15:30 KS **EET MID** 300.0 Soluble Analysis 1 53351 05/13/23 23:49 CH **EET MID**

Client Sample ID: TT-2 @ 15'

Date Collected: 05/11/23 08:25

Date Received: 05/12/23 13:49

Lab	Sample	e ID:	880-28372-9	
			Madulus Oallal	

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HO
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 19:22	KLV	EET HO
Total/NA	Prep	5035	DL		4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HO
Total/NA	Analysis	8260C	DL	200	5 mL	5 mL	103648	05/17/23 17:47	KLV	EET HO
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 18:18	MTMG	EET HO
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MI
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53305	05/12/23 21:07	AJ	EET MI
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/14/23 02:00	SM	EET MI
Soluble	Leach	DI Leach			4.95 g	50 mL	53284	05/12/23 15:30	KS	EET MII
Soluble	Analysis	300.0		1			53351	05/13/23 23:54	CH	EET MI

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-2 @ 16'

Lab Sample ID: 880-28372-10

Matrix: Solid

Job ID: 880-28372-1

Date Collected: 05/11/23 08:30 Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	103367	05/16/23 19:49	KLV	EET HOU
Total/NA	Prep	5035	DL		5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	500	5 mL	5 mL	103558	05/17/23 15:38	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/14/23 02:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 00:00	CH	EET MID

Client Sample ID: TT-4 @ 13'

Date Collected: 05/11/23 09:35

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-11

05/12/23 15:30 KS

05/14/23 00:05 CH

Matrix: Solid

Batch Batch Dil Initial **Batch** Final Prepared **Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 05/16/23 09:51 MTMG Prep 4.98 g 5 mL 103391 **EET HOU** Total/NA 8260C 500 05/17/23 15:34 MTMG **EET HOU** Analysis 5 mL 5 mL 103555 Total/NA Total BTEX Analysis 1 103732 05/17/23 16:28 MTMG **EET HOU** Total/NA Analysis 8015 NM 53420 05/15/23 16:59 SM **EET MID** 1 Total/NA 8015NM Prep 10.05 g 53305 Prep 10 mL 05/12/23 21:07 AJ **EET MID** Total/NA Analysis 8015B NM 5 1 uL 1 uL 53316 05/14/23 03:26 SM **EET MID**

1

4.97 g

50 mL

53284

53351

Client Sample ID: TT-4 @ 14'

Leach

Analysis

DI Leach

300.0

Date Collected: 05/11/23 09:40

Date Received: 05/12/23 13:49

Soluble

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		100	5 mL	5 mL	103555	05/17/23 12:30	MTMG	EET HOU
Total/NA	Prep	5035	DL		4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	1000	5 mL	5 mL	103555	05/17/23 13:43	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/14/23 03:47	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 00:21	CH	EET MID

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EET MID Lab Sample ID: 880-28372-12

Matrix: Solid

EET MID

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-4 @ 15'

Lab Sample ID: 880-28372-13

Matrix: Solid

Date Collected: 05/11/23 09:45 Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		100	5 mL	5 mL	103555	05/17/23 12:51	MTMG	EET HOU
Total/NA	Prep	5035	DL		4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C	DL	1000	5 mL	5 mL	103555	05/17/23 14:07	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/14/23 04:08	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 00:26	CH	EET MID

Client Sample ID: TT-4 @ 16'

Lab Sample ID: 880-28372-14

Date Collected: 05/11/23 09:50 **Matrix: Solid** Date Received: 05/12/23 13:49

Batch Batch Dil Initial **Batch** Final Prepared **Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab Total/NA 5035 Prep 4.97 g 5 mL 103391 05/16/23 09:51 MTMG **EET HOU** Total/NA 8260C 200 **EET HOU** Analysis 5 mL 5 mL 103555 05/17/23 13:20 MTMG Total/NA 5035 DL 4.97 g 05/16/23 09:51 MTMG Prep 5 mL 103391 **EET HOU** Total/NA 8260C DL 1000 5 mL Analysis 5 mL 103555 05/17/23 14:50 MTMG **EET HOU** Total/NA Analysis **Total BTEX** 103732 05/17/23 16:28 MTMG **EET HOU** 1 53420 Total/NA Analysis 8015 NM 1 05/15/23 16:59 SM **EET MID** Total/NA 8015NM Prep 10.03 g 53305 **EET MID** Prep 10 mL 05/12/23 21:07 AJ Total/NA 8015B NM Analysis 1 1 uL 1 uL 53316 05/14/23 02:43 SM **EET MID** Soluble 5.04 g 50 mL 53284 05/12/23 15:30 KS Leach DI Leach **EET MID** Soluble Analysis 300.0 1 53351 05/14/23 00:42 CH **EET MID**

Client Sample ID: Dup-01 Lab Sample ID: 880-28372-15 Date Collected: 05/11/23 00:00 **Matrix: Solid**

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		2000	5 mL	5 mL	103555	05/17/23 14:29	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53316	05/14/23 04:29	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 00:48	CH	EET MID

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 5'

Lab Sample ID: 880-28372-16 Date Collected: 05/11/23 13:45 **Matrix: Solid**

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 11:44	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 20:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 00:53	CH	EET MID

Client Sample ID: TT-5 @ 6'

Date Collected: 05/11/23 13:50

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 12:04	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 21:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 00:58	CH	EET MID

Client Sample ID: TT-5 @ 7'

Date Collected: 05/11/23 13:55 Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035	_		4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 12:25	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 22:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 01:04	CH	EET MID

Client Sample ID: TT-5 @ 8'

Released to Imaging: 12/14/2023 3:22:23 PM

Date Collected: 05/11/23 14:00 Date Received: 05/12/23 13:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.91 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 12:45	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU

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Matrix: Solid

Lab Sample ID: 880-28372-17

Lab Sample ID: 880-28372-18

Lab Sample ID: 880-28372-19 **Matrix: Solid**

Matrix: Solid

Project/Site: HEP : Hobbs Station TK 5202

Client Sample ID: TT-5 @ 8'

Date Collected: 05/11/23 14:00 Date Received: 05/12/23 13:49 Lab Sample ID: 880-28372-19

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 22:27	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 01:09	CH	EET MID

Client Sample ID: TT-5 @ 9'

Date Collected: 05/11/23 14:05

Lab Sample ID: 880-28372-20

Matrix: Solid

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 13:06	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53305	05/12/23 21:07	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53316	05/13/23 22:48	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53284	05/12/23 15:30	KS	EET MID
Soluble	Analysis	300.0		1			53351	05/14/23 01:14	CH	EET MID

Client Sample ID: TT-5 @ 10'

Date Collected: 05/11/23 14:10

Lab Sample ID: 880-28372-21

Matrix: Solid

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 13:27	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 20:40	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 01:57	CH	EET MID

Client Sample ID: TT-5 @ 11'

Date Collected: 05/11/23 14:15

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 13:47	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	53306 53318	05/12/23 21:11 05/13/23 21:44	AJ SM	EET MID EET MID

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Lab Sample ID: 880-28372-22

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Matrix: Solid

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-5 @ 11'

Date Collected: 05/11/23 14:15 Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-22

Matrix: Solid

Job ID: 880-28372-1

Batch Batch Dil Initial Batch Final Prepared **Prep Type** Method Factor Number or Analyzed Type Run **Amount** Amount Analyst 4.97 g Soluble Leach DI Leach 50 mL 53283 05/12/23 15:28 KS EET MID Soluble 300.0 53352 05/14/23 02:13 CH Analysis **EET MID** 1

Client Sample ID: TT-5 @ 12'

Date Collected: 05/11/23 14:20 Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-23

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 14:08	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103714	05/17/23 15:48	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 22:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 02:18	CH	EET MID

Client Sample ID: TT-5 @ 13'

Date Collected: 05/11/23 14:25

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-24

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	8260C		1	5 mL	5 mL	103359	05/16/23 14:29	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 22:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 03:01	CH	EET MID

Client Sample ID: TT-5 @ 14'

Date Collected: 05/11/23 14:30

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-28
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	8260C		1	5 mL	5 mL	103493	05/17/23 08:33	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 22:48	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 02:24	CH	EET MID

Client Sample ID: TT-5 @ 15'

Lab Sample ID: 880-28372-26

Date Collected: 05/11/23 14:35 **Matrix: Solid** Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103574	05/17/23 08:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103493	05/17/23 09:00	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 23:10	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 02:29	CH	EET MID

Client Sample ID: TT-5 @ 16' Lab Sample ID: 880-28372-27

Date Collected: 05/11/23 14:40 **Matrix: Solid** Date Received: 05/12/23 13:49

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103574	05/17/23 08:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103493	05/17/23 09:28	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 23:31	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 02:45	CH	EET MID

Client Sample ID: TT-6 @ 5' Lab Sample ID: 880-28372-28 Date Collected: 05/11/23 15:45 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035	_		4.99 g	5 mL	103574	05/17/23 08:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103493	05/17/23 09:55	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/13/23 23:53	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 02:50	CH	EET MID

Client Sample ID: TT-6 @ 6' Lab Sample ID: 880-28372-29 Date Collected: 05/11/23 15:50 **Matrix: Solid**

Date Received: 05/12/23 13:49

Date Received: 05/12/23 13:49

	Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
1	Total/NA	Prep	5035			4.95 g	5 mL	103574	05/17/23 08:00	MTMG	EET HOU
1	Total/NA	Analysis	8260C		1	5 mL	5 mL	103493	05/17/23 10:22	KLV	EET HOU
1	Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 6'

Date Collected: 05/11/23 15:50 Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-29

Matrix: Solid

Job ID: 880-28372-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 00:14	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 02:56	CH	EET MID

Client Sample ID: TT-6 @ 7'

Date Collected: 05/11/23 15:55 Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-30

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 15:34	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 00:36	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 03:06	CH	EET MID

Client Sample ID: TT-6 @ 8'

Date Collected: 05/11/23 16:00 Date Received: 05/12/23 13:49 Lab Sample ID: 880-28372-31

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 15:54	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103733	05/17/23 16:31	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 01:18	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 03:12	CH	EET MID

Client Sample ID: TT-6 @ 9'

Date Collected: 05/11/23 16:05

Date Received: 05/12/23 13:49

Lab Sample	ID: 880-28372-32
_	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 16:15	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 01:39	SM	EET MID

Eurofins Midland

9/15/2023 (Rev. 1)

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 9'

Date Collected: 05/11/23 16:05 Date Received: 05/12/23 13:49 Lab Sample ID: 880-28372-32

Matrix: Solid

Job ID: 880-28372-1

Batch Batch Dil Initial Batch Final Prepared **Prep Type** Method **Factor** Number or Analyzed Type Run **Amount** Amount Analyst 4.99 g Soluble Leach DI Leach 50 mL 53283 05/12/23 15:28 KS EET MID Soluble 300.0 53352 05/14/23 03:28 CH Analysis **EET MID** 1

Client Sample ID: TT-6 @ 10'

Date Collected: 05/11/23 16:10 Date Received: 05/12/23 13:49 Lab Sample ID: 880-28372-33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 16:36	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 02:00	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 03:33	CH	EET MID

Client Sample ID: TT-6 @ 11'

Date Collected: 05/11/23 16:15

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-34

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103359	05/16/23 16:57	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 02:22	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 03:49	CH	EET MID

Client Sample ID: TT-6 @ 12'

Date Collected: 05/11/23 16:20

Date Received: 05/12/23 13:49

Lab Sample ID: 880-28372-35
Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103362	05/16/23 14:46	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 02:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 03:54	CH	EET MID

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 13'

Lab Sample ID: 880-28372-36 Date Collected: 05/11/23 16:25 **Matrix: Solid**

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103362	05/16/23 16:57	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 03:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 04:00	CH	EET MID

Client Sample ID: TT-6 @ 14'

Date Collected: 05/11/23 16:30

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103362	05/16/23 17:18	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 03:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 04:05	CH	EET MID

Client Sample ID: TT-6 @ 15'

Date Collected: 05/11/23 16:35

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103362	05/16/23 17:39	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 03:47	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 04:10	CH	EET MID

Client Sample ID: TT-6 @ 16'

Date Collected: 05/11/23 16:40

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	103391	05/16/23 09:51	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	103362	05/16/23 18:00	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			103732	05/17/23 16:28	MTMG	EET HOU

Eurofins Midland

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Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-28372-39 **Matrix: Solid**

Lab Sample ID: 880-28372-37

Lab Sample ID: 880-28372-38

Lab Chronicle

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Client Sample ID: TT-6 @ 16'

Lab Sample ID: 880-28372-39 Date Collected: 05/11/23 16:40 **Matrix: Solid**

Date Received: 05/12/23 13:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53420	05/15/23 16:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53306	05/12/23 21:11	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53318	05/14/23 04:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	53283	05/12/23 15:28	KS	EET MID
Soluble	Analysis	300.0		1			53352	05/14/23 04:16	CH	EET MID

Lab Sample ID: 880-28372-40 **Client Sample ID: Trip Blank**

Date Collected: 05/11/23 07:05 **Matrix: Water** Date Received: 05/12/23 13:49

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Method Amount Amount Number or Analyzed Type Run **Factor** Analyst Lab Total/NA 8260C 102953 5 mL 05/15/23 10:46 JBS EET HOU Analysis 5 mL Total/NA Analysis Total BTEX 103488 05/16/23 15:22 JBS **EET HOU** 1

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-28372-1

Project/Site: HEP: Hobbs Station TK 5202

Laboratory: Eurofins Midland

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

Authority Texas		rogram ELAP	T104704400-23-26	Expiration Date 06-30-23
The following analytes the agency does not on		ort, but the laboratory is r	ot certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Laboratory: Eurofins Houston

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

Authority	y Progr		Identification Number	Expiration Date
Texas	NE	ELAP	T104704215-23-53	06-30-23
The following analyte the agency does not		ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
Total BTEX		Solid	Total BTEX	
Total BTEX		Water	Total BTEX	

Eurofins Midland

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Method Summary

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Job ID: 880-28372-1

Method **Method Description** Protocol Laboratory 8260C Volatile Organic Compounds by GC/MS SW846 **EET HOU Total BTEX Total BTEX Calculation** TAL SOP **EET HOU** 8015 NM Diesel Range Organics (DRO) (GC) SW846 **EET MID** 8015B NM Diesel Range Organics (DRO) (GC) SW846 EET MID 300.0 Anions, Ion Chromatography EPA **EET MID** 5030C Purge and Trap SW846 **EET HOU** Closed System Purge and Trap 5035 SW846 EET HOU SW846 8015NM Prep Microextraction **EET MID** DI Leach Deionized Water Leaching Procedure **ASTM EET MID**

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: HEP: Hobbs Station TK 5202

Job ID: 880-28372-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-28372-1	TT-2 @ 7'	Solid	05/11/23 07:45	05/12/23 13:49	
880-28372-2	TT-2 @ 8'	Solid	05/11/23 07:50	05/12/23 13:49	8
880-28372-3	TT-2 @ 9'	Solid	05/11/23 07:55	05/12/23 13:49	9
880-28372-4	TT-2 @ 10'	Solid	05/11/23 08:00	05/12/23 13:49	10
880-28372-5	TT-2 @ 11'	Solid	05/11/23 08:05	05/12/23 13:49	11
880-28372-6	TT-2 @ 12'	Solid	05/11/23 08:10	05/12/23 13:49	12
880-28372-7	TT-2 @ 13'	Solid	05/11/23 08:15	05/12/23 13:49	13
880-28372-8	TT-2 @ 14'	Solid	05/11/23 08:20	05/12/23 13:49	14
880-28372-9	TT-2 @ 15'	Solid	05/11/23 08:25	05/12/23 13:49	15
880-28372-10	TT-2 @ 16'	Solid	05/11/23 08:30	05/12/23 13:49	16
880-28372-11	TT-4 @ 13'	Solid	05/11/23 09:35	05/12/23 13:49	13
880-28372-12	TT-4 @ 14'	Solid	05/11/23 09:40	05/12/23 13:49	14
880-28372-13	TT-4 @ 15'	Solid	05/11/23 09:45	05/12/23 13:49	15
880-28372-14	TT-4 @ 16'	Solid	05/11/23 09:50	05/12/23 13:49	16
880-28372-15	Dup-01	Solid	05/11/23 00:00	05/12/23 13:49	13
880-28372-16	TT-5 @ 5'	Solid	05/11/23 13:45	05/12/23 13:49	5
880-28372-17	TT-5 @ 6'	Solid	05/11/23 13:50	05/12/23 13:49	6
880-28372-18	TT-5 @ 7'	Solid	05/11/23 13:55	05/12/23 13:49	7
880-28372-19	TT-5 @ 8'	Solid	05/11/23 14:00	05/12/23 13:49	8
880-28372-20	TT-5 @ 9'	Solid	05/11/23 14:05	05/12/23 13:49	9
880-28372-21	TT-5 @ 10'	Solid	05/11/23 14:10	05/12/23 13:49	10
880-28372-22	TT-5 @ 11'	Solid	05/11/23 14:15	05/12/23 13:49	11
880-28372-23	TT-5 @ 12'	Solid	05/11/23 14:20	05/12/23 13:49	12
880-28372-24	TT-5 @ 13'	Solid	05/11/23 14:25	05/12/23 13:49	13
880-28372-25	TT-5 @ 14'	Solid	05/11/23 14:30	05/12/23 13:49	14
880-28372-26	TT-5 @ 15'	Solid	05/11/23 14:35	05/12/23 13:49	15
880-28372-27	TT-5 @ 16'	Solid	05/11/23 14:40	05/12/23 13:49	16
880-28372-28	TT-6 @ 5'	Solid	05/11/23 15:45	05/12/23 13:49	5
880-28372-29	TT-6 @ 6'	Solid	05/11/23 15:50	05/12/23 13:49	6
880-28372-30	TT-6 @ 7'	Solid	05/11/23 15:55	05/12/23 13:49	7
880-28372-31	TT-6 @ 8'	Solid	05/11/23 16:00	05/12/23 13:49	8
880-28372-32	TT-6 @ 9'	Solid	05/11/23 16:05	05/12/23 13:49	9
880-28372-33	TT-6 @ 10'	Solid	05/11/23 16:10	05/12/23 13:49	10
880-28372-34	TT-6 @ 11'	Solid	05/11/23 16:15	05/12/23 13:49	11
880-28372-35	TT-6 @ 12'	Solid	05/11/23 16:20	05/12/23 13:49	12
880-28372-36	TT-6 @ 13'	Solid	05/11/23 16:25	05/12/23 13:49	13
880-28372-37	TT-6 @ 14'	Solid	05/11/23 16:30	05/12/23 13:49	14
880-28372-38	TT-6 @ 15'	Solid	05/11/23 16:35	05/12/23 13:49	15
880-28372-39	TT-6 @ 16'	Solid	05/11/23 16:40	05/12/23 13:49	16
880-28372-40	Trip Blank	Water	05/11/23 07:05	05/12/23 13:49	

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eurofins

Environment Testing Xenco

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

Wor

880-28372 Chain of Custody

						Hobbs	5 NM (5	575) 392	2-7550	Carlst	ad NM	(575)	988-319	99					www	xenco	o.com	Page /	of 4
Project Manager	Russell Sebrii	ng			Bill to (if	differen	t)															omments	
Company Name	TRC				Compan	y Name)									Progr	am. U	ST/PS					Superfund
Address.	10 Desta Dr S	Suite 13	0		Address.												of Pro		L-ud	1			
City, State ZIP	Midland TX 79	9705			City, Stat	e ZIP			Reporting Level II Level III PST/UST TRRF						P Level IV								
Phone.	432 250 4465			Email	Rsebrin	g@trc	comar	nies.	es.com Deliverables EDD ADaPT Oth						□ Othe	er.							
Project Name.	HEP Hobbs	Station	TK 5202	Turr	Around								ANAL	YSIS	REQ	EQUEST						Preserv	ative Codes
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Sampler's Name.	Russ	ell Sebr	ing	TAT starts th																	1 1	HCL HC	HNO ₃ HN
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SAMPLE RECE		Blank:	Yes No	Wet ice	Yes	No	met											l			⊦	H₃PO₄ HP	
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Cooler Custody Sea			Correction		175	<u>x</u>	"-														١	la₂S₂O₃ NaS	O_3
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		1	T	T	 			8015	- 8260	səp												NaOH+Ascort	oic Acid SAPC
Sample Ider	ntification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	ТРН -	втех	Chlorides												Sample	Comments
TT-26	@7'	s	5 11 2023	745	7	G	2	Х	Х	Х												1 1	
TT-20	@8'	s	5 11 2023	750	8	G	2	Х	Х	Х												lloz	/
<u>TT-2(</u>	@9'	s	5 11 2023	755	9	G	2	Х	Х	X													
TT-2@	<u>0,10'</u>	s	5 11 2023	800	10	G	2	Х	Х	X													
TT-2@	<u>011'</u>	s	5 11 2023	805	11	G	2	Х	Х	X													
<u>TT-2@</u>	@12	S	5 11 2023	810	12	G	2	Х	Х	X													
<u>TT-2@</u>	<u>D</u> 13'	S	5 11 2023	815	13	G	2	Х	Х	X													
TT-2@	<u>D14'</u>	s	5 11 2023	820	14	G	2	Х	Х	X													
TT-2@	<u>D15'</u>	S	5 11 2023	825	15	G	2	Х	Х	X													
<u>TT-2@</u>	<u>016'</u>	s	5 11 2023	830	16	G	2	Х	Х	X		L	[[,,,]										
Total 200.7 / 6	010 200.8 /	6020:	8	RCRA 13P	PM Tex	(as 11	AI S	b As	Ва	Зе В	Cd C	a Cr	Co (Cu Fe	Pb	Mg N	In Mo	Ni k	Se	Ag S	IO ₂ Na	Sr Ti Sn	U V Zn
Circle Method(s) a	and Metal(s) to	be anal	yzed	TCLP / S	PLP 601	0 8R	CRA	Sb A	s Ba	Be 0	Cd Cr	Co (Cu Pt	Mn	Мо	Ni Se	Ag T	ΊU				45 1 / 7470	
Notice [.] Signature of this of service. Eurofins Xen of Eurofins Xenco. A mi	nco will be liable only	v for the co	st of samples a	ind shall not ass	ume any res	sponsibil	ity for a	ny losse	s or ex	nenses	incurred	d by the	client if	such lo		a dua ta							
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Revised Date 08/25/2020 Rev 2020.2

Received by OCD: 9/26/2023 3:37:34 PM



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

Work Order No:	2837	2

							Hobbs	s NM (t	575) 39:	2-7550	Carlsl	oad NM	(575)	988-319	99					\A\A\A\	xenc	o com	Page 2	of 4
roject Manager	Russe	ell Sebring	1			Bill to (if	differen	t)															Comments	
ompany Name.	TRC					Compan	y Name	•									Progr	am: U:	ST/PS					Superfund
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hone.	432 2	50 4465			Email	Rsebrin	g@trc	comar	nies.	com					•			rables				ADaP		
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otal Containers.				Corrected T	emperature				115	3260													NaOH+Ascorbio	
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otice Signature of this	docume	nt and relinqu	uishment :	of samples con																				

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.

Relinguished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
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Revised Date 08/25/2020 Rev 2020 2

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Environment Testing Xenco

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

Work Ord	der No:	28	5	12

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Project Manager	Russe	ell Sebring	1			Bill to (if	differen	t)															Comments	
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City, State ZIP	Midla	nd TX 797	'05			City, Stat	e ZIP				-						Repo	rting L	evel II	ПLe	vel III	☐ PS	ST/UST [] TRRP	□ Level IV□
Phone	432 2	50 4465			Email	Rsebrin	g@trc	comar	nies.	com							1		EDE			ADaP		
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Sample Custody Sea	als.	Yes No	N/A	Temperatur	e Reading						300												Zn Acetate+NaC	-
Total Containers				Corrected T	emperature	<u> </u>	·····		115	- 8260													NaOH+Ascorbic	
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<u>TT-60</u>	@7'		s	5 11 2023	1555	7	G	2	Х	Χ	X	<u> </u>		<u> </u>			<u> </u>							
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lotice Signature of this f service. Eurofins Xen f Eurofins Xenco. A mír	co will b	e liable only f	or the cos	st of samples a	nd shall not ass	ume anv res	sponsibil	ity for a	av losse	SOFEX	enses	incurre	hy the	client if	Ferrob lo								ed.	

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Revised Date 08/25/2020 Rev 2020 2

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Environment Testing Xenco

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

Work Order No:	28372
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ity, State ZIP	Mıdla	nd TX 797	705			City, Stat	te ZIP										Repo	rting L	evel II	Le	vel III	☐ PS	T/UST 🔲	TRRP 🗌	Level IV	
hone.	432 2	50 4465			Email	Rsebrin	g@trc	coma	onies.	<u>com</u>							Delive	erables	EDE			ADaP	т 🗆 (Other [.]		
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otice Signature of this	docume	ent and relingu	uishment	of samples cor	stitutes a valid	purchase or	der from	client c	ompany	to Eur	ofins X	enco. its	affiliate	s and si	ubconfr	actors	It assin	ne etan	dard to	me and	Loonditi	ione				릨
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13





Revised Date 08/25/2020 Rev 2020 2

Eurofins Midland

1211 W Florida Ave Midland, TX 79701

Chain of Custody Record



💸 eurofins

Environment Testing

Received by OCD: 9/26/2023 3:37:34 PM

Phone: 432-704-5440												=				_		_						
Client Information (Sub Contract Lab)	Sampler			Lab PN Kram		essica						70	amer '	rackir	g No(s)				0C No: 80-6997 1				\neg
Client Contact Client Cli	Phone:			E-Mai Jessi	ca.Kr	amer	ĝet.	eurofii	nsus	.com				Origin lexico						ge: age 1 of 1				
Company Eurofins Environment Testing South Centr			-			itations			ee no	te):										# 10-28372-	1			\neg
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City Stafford State, Zip:	TAT Requested (da	ays):				707		1		1	-	ł			1	1	1		С	NaOH Zn Acetate		N None O AsNac P Na2O		1
TX, 77477									- }									24844	E	Nitric Acid NaHSO4 MeOH		Q Na2St R Na2St	03 103	l
Phone: 281-240-4200(Tel)	PO#:				4		_] }		- }									G	Amchlor Ascorbic A	cid		odecahydra	ate
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			Sample Mat	ator,	Fleid Filtared Perform MIS/IN	8280C/5030C BTEX	Total_BTEX/ Total BTEX Calculation										}	Total Number of con	Williams.				-	
Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	(C=comp, _{O=was} G=grab) _{B1=⊞esu}			8	100	1 1	- 1	}	-		- }	-		-		Ě	Š	Enac	ial lac	truction	e/Noto:	Ų
			Preservation Co		林	2				技程 社			55		in the	March (Ň	7	opec	AN INTERIOR	a ucuoi	SINGLE.	100
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Note. Since laboratory accreditations are subject to change, Eurofins Environment laboratory does not currently maintain accreditation in the State of Origin Isted ab accreditation status should be brought to Eurofins Environment Testing South Cer	ove for analysis/tests	/matrix being a	nalyzed, the samples r	nust be s	shippe: curren	d back i it to dati	to lhe e, nett	Eurofir Im the	ış Env signed	rironme d Chain	of Cu	sting S stody	iouth (entral ng to s	, LLC I said co	mplia	nce l	or other	er inst ofins E	ructions will Environment	be pro Testin	vided. Any g South Ce	changes to	,
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Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-28372-1

Login Number: 28372 **List Source: Eurofins Midland**

List Number: 1

Creator: Rodriguez, Leticia

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	

Released to Imaging: 12/14/2023 3:22:23 PM

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-28372-1

Login Number: 28372 **List Source: Eurofins Houston** List Creation: 05/13/23 02:43 PM List Number: 2

Creator: Pena, Jesiel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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?	N/A	
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	

9/15/2023 (Rev. 1)

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-28372-1

List Source: Eurofins Houston
List Number: 3
List Creation: 05/15/23 04:07 PM

Creator: Canadilla, Surelis

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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?	N/A	
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	True	

232 UJ 340

<6mm (1/4").



 Site: Hobbs Station Tank 5202
 Laboratory: Eurofins Midland and Eurofins Houston

Location: Hobbs, NM

Client Name: HEP

Project #: 528833

Lab Report #: 880-28372-1

Reviewer: A. Eljuri

Peer Reviewer: L. Denly

Review Date: 9/12/2023

Analytical Method(s): Matrices Sampled: Sample Collection Date(s):

BTEX by Method 8260C; TPH (GRO, DRO, ORO, and Total) by Method 8015B NM; Chloride by EPA 300.0 Soil, aqueous quality control (QC) sample

Sampling Objective(s):

Collect confirmation soil samples at a release site.

Sample IDs (List IDs or attach COC):

Refer to data package sample summary.

Revi	ew Item or Question	Υ	N	NA	Comments
Chain-	of-Custody and Data Completeness				
1	Was COC appropriately completed?		Х		The COC between Eurofins Midland and Eurofins Houston is not included in the data package.
2	Did the laboratory report correct sample IDs?		Х		The client sample IDs in the COC have a different format (number of spaces) compared to the Sample Summary for the majority of samples.
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	Х			
4	Are results reported for all analytical methods requested?	Х			The laboratory reported Total TPH (solid) and Total BTEX (solid and water), which are not offered for accreditation.
5	Are results reported for all samples submitted for analysis?	Х			
6	Were the requested analytical methods used?	Х			
7	Are results reported for all target analytes, but no additional analytes?	Х			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		Х		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?			Х	
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	Х			
Sampl	e Preservation				
11a	Did samples arrive at the laboratory appropriately preserved?			х	
11b	Was the cooler temperature between 0-6°C?	Х			



VOC samples preserved in the field or collected in EnCore® samplers? Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)? Were any issues noted by the laboratory upon receipt? AIR ONLY: Were canisters received with an acceptable vacuum? AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20? Holding Times	unpreserved bulk jars, which is an or BTEX and TPH analyses for the District.
VOC samples preserved in the field or collected in EnCore® samplers? Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)? Were any issues noted by the laboratory upon receipt? AIR ONLY: Were canisters received with an acceptable vacuum? AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20? Holding Times	or BTEX and TPH analyses for the
12 acceptable condition (i.e., no breakages, leaks, etc.)? 13 Were any issues noted by the laboratory upon receipt? 14a AIR ONLY: Were canisters received with an acceptable vacuum? AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20? Holding Times	
13 receipt? X 14a AIR ONLY: Were canisters received with an acceptable vacuum? AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20? Holding Times	
14a acceptable vacuum? AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20? Holding Times	
14b and final canister flow controller calibrations <20? X Holding Times	
Were sample preparation and analysis holding time requirements met?	
Reporting Limits	
Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)? All non-detect results had report X	rting limits below project criteria.
TPH and chloride 5-fold TT-2 @ 10' and TT-2 @ 16': B1 benzene 50-fold TT-2 @ 12': BTEX 200-fold TT-2 @ 12': BTEX 200-fold TT-2 @ 13' and TT-2 @ 14': B1 TT-2 @ 15': Benzene and tolue xylenes and isomers 200-fold TT-4 @ 13': BTEX 500-fold; TF TT-4 @ 14' and TT-4 @ 15': B1 benzene 100-fold; TPH 5-fold	EX (except benzene) 500-fold; ene) 500-fold; benzene 50-fold; TEX (except benzene) 500-fold; TEX 50-fold ene 50-fold; ethylbenzene and total PH 5-fold TEX (except benzene) 1,000-fold; o-xylene 200-fold; ethylbenzene, 0-fold
explanation as to why dilutions were performed? diluted for BTEX due to the nat	ure of the sample matrix and to a tanalytes within the calibration
QC Results	
Blanks	
Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.	
Does each analytical or preparation batch have its own method blank?	
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). Trip blank identified as "Trip Blanks identified as "Trip Bla	ank".
Are there any potential false positive results based on questions 19 and/or 21?	



Revi	ew Item or Question	Υ	N	NA	Comments
Labor	atory Control Spikes				
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	Х			Total xylenes and TPH ORO are not reported in any LCS or LCSD.
24	Does each analytical or preparation batch have its own LCS?	Х			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.		х		The LCS/LCSD RPDs for toluene (26%) and m,p-xylenes (26%) were above the laboratory-defined limit (25%) in analysis batch 103367. Therefore, the toluene and m,p-xylenes results in samples TT-2 @ 7', TT-2 @ 8', TT-2 @ 9', TT-2 @ 10', TT-2 @ 11', TT-2 @ 13', TT-2 @ 14', TT-2 @ 15', and TT-2 @ 16' may be considered estimated.
Matrix	Spikes				
26	Are MS/MSD recoveries within QC limits? If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	Х			MS/MSDs were performed on samples TT-5 @ 5' and TT-5 @ 10' for TPH and samples TT-2 @ 7', TT-4 @ 13', TT-5 @ 10', and TT-6 @ 8' for chloride. MS/MSDs were also performed on non-project samples; non-project sample MS/MSD results were not evaluated during this review.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	Х			
Surro	nates				
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		In samples TT-2 @ 7', TT-2 @ 9', TT-2 @ 10', TT-2 @ 11', TT-2 @ 12', TT-2 @ 15', TT-2 @ 16', TT-4 @ 13', TT-4 @ 14', TT-4 @ 15', TT-4 @ 16', and Dup-01, surrogate chlorooctane (156%, 164%, 137%, 149%, 141%, 154%, 132%, 148%, 143%, 148%, 135%, and 148%, respectively) recovered above the laboratory-defined limit (70-130%) in the TPH analyses. Therefore, detected TPH GRO, TPH DRO, and Total TPH results in samples TT-2 @ 7', TT-2 @ 9', TT-2 @ 10', TT-2 @ 11', TT-2 @ 12', TT-2 @ 15', TT-2 @ 16', TT-4 @ 13', TT-4 @ 14', TT-4 @ 15', TT-4 @ 16', Dup-01, may be considered estimated, biased high. In sample TT-2 @ 14', surrogate 1-chlorooctane (147%) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. Therefore, detected TPH DRO and Total TPH results in sample TT-2 @ 14' may be considered estimated, biased high. In sample TT-5 @ 8', surrogate 1-chlorooctane (139%) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. However, there were no detections of TPH, so there is no impact on data usability due to this issue. In samples TT-5 @ 10', TT-5 @ 12', TT-5 @ 13', TT-5 @ 14', TT-5 @ 16', TT-6 @ 5', TT-6 @ 6', TT-6 @ 8', TT-6 @ 9', TT-6 @ 10', TT-6 @ 11', TT-6 @ 12', TT-6 @ 13', TT-6 @ 14', TT-6 @ 15', and TT-6 @ 16', surrogate o-terphenyl (152%, 148%, 143%, 147%, 144%, 152%, 146%, 145%, 149%, 144%, 148%, 144%, 142%, 143%, 148%, and 152%, respectively) recovered above the laboratory-defined limits (70-130%) in the TPH analyses. However, there were no detections of TPH, so there is no impact on data usability due to this issue. In sample TT-5 @ 11', TT-5 @ 15', and TT-6 @ 7', surrogates 1-chlorooctane (144%, 139%, and 166%, respectively) recovered above the laboratory-defined limit (70-130%) in the TPH analyses. However, there were no detections of TPH, so there is no impact on data usability due to this issue. In sample Trip Blank, surrogate 4-bromofluorobenzene (127%) recovered above the laboratory-defined limit (74-124%) in the BTEX analysis. However, there were no detecti



Revie	ew Item or Question	Υ	N	NA	Comments
Duplic	ates				
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			х	
30	Were field duplicate criteria met? If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples. NOTE: RPD ≤ 50% for soil samples when results are >3x the reporting limit; otherwise, AbsD > 2x reporting limit.	Х			Field duplicate pair Dup-1 and TT-4 @ 13' met project criteria.
Do the	Data Make Sense?				
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences) that have not already been addressed above? If yes, list the comments that have potential impact to sample results (or attach case narrative and highlight the comments that have potential impact to sample results).		Х		
32	Were any other potential data quality issues identified? If yes, describe issues.		Х		
33	Do any results look questionable? If yes, ASK THE LAB.		Х		
34	Has the EDD been compared to the lab report?			Х	
Additio	onal Comments:				•

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

AbsD = Absolute Difference

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

MRO = Motor Range Organics

 $\mathsf{MS/MSD} = \mathsf{Matrix} \; \mathsf{Spike} \; / \; \mathsf{Matrix} \; \mathsf{Spike} \; \mathsf{Duplicate}$

NELAP = National Environmental Laboratory Accreditation Program

ORO = Oil Range Organics

QAPP = Quality Assurance Project Plan

QC = Quality Control

%R = Percent Recovery

 $\mathsf{RPD} = \mathsf{Relative} \; \mathsf{Percent} \; \mathsf{Difference} = 100\% \; \mathsf{x} \; |(\mathsf{A-B})/((\mathsf{A+B})/2)|$

TPH = Total Petroleum Hydrocarbon

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Russell Sebring TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 5/24/2023 9:12:40 AM

JOB DESCRIPTION

HEP:Hobbs Station TK 5202

JOB NUMBER

880-28373-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

Generated 5/24/2023 9:12:40 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Client: TRC Solutions, Inc.

Laboratory Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

Qualifiers

GC/MS VOA

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

S1+ Surrogate recovery exceeds control limits, high biased.
U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

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

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Case Narrative

Client: TRC Solutions, Inc.

Project/Site: HEP:Hobbs Station TK 5202

Job ID: 880-28373-1

Job ID: 880-28373-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-28373-1

Receipt

The samples were received on 5/12/2023 3:49 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 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: TT-2 @17' (880-28373-1), TT-2 @18' (880-28373-2), TT-4 @17' (880-28373-3) and TT-4 @18' (880-28373-4).

GC/MS VOA

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (860-49003-E-4-A) and (860-49003-E-4-A MS). Elevated reporting limits (RLs) are provided. Sample prepped from a methanol vial.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: TT-2 @17' (880-28373-1), TT-4 @17' (880-28373-3) and TT-4 @18' (880-28373-4). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: lab contamination for m&p-xylene and Toluene.(MB 860-104383/8)

Method 8260C: The following samples were diluted due to the nature of the sample matrix: TT-2 @18' (880-28373-2) and (880-28373-B-2-A MS). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a bulk jar.

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: The surrogate recovery for the blank associated with preparation batch 880-53847 and analytical batch 880-53828 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: TT-2 @18' (880-28373-2). 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.

HPLC/IC

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

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Project/Site: HEP:Hobbs Station TK 5202

Client Sample ID: TT-2 @17' Date Collected: 05/11/23 08:35

Date Received: 05/12/23 15:49

Sample Depth: 17'

Lab Sample ID: 880-28373-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0495	U	0.0495	mg/Kg		05/22/23 11:52	05/22/23 17:41	50
Toluene	<0.248	U	0.248	mg/Kg		05/22/23 11:52	05/22/23 17:41	50
Ethylbenzene	< 0.0495	U	0.0495	mg/Kg		05/22/23 11:52	05/22/23 17:41	50
m,p-Xylenes	<0.0990	U	0.0990	mg/Kg		05/22/23 11:52	05/22/23 17:41	50
o-Xylene	< 0.0495	U	0.0495	mg/Kg		05/22/23 11:52	05/22/23 17:41	50
Xylenes, Total	<0.0990	U	0.0990	mg/Kg		05/22/23 11:52	05/22/23 17:41	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		56 - 150			05/22/23 11:52	05/22/23 17:41	50
4-Bromofluorobenzene (Surr)	98		68 - 152			05/22/23 11:52	05/22/23 17:41	50
Dibromofluoromethane (Surr)	97		53 - 142			05/22/23 11:52	05/22/23 17:41	50
Toluene-d8 (Surr)	100		70 130			05/22/23 11:52	05/22/23 17:41	50

Method: TAL SOP Total BTEX -	Total BTE	X Calculati	on					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0990	U	0.0990	mg/Kg			05/23/23 15:28	1

	Method: SW846 8015 NM - Die	sel Range C	Organics (D	(GC) (RO)					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	377		49.8	mg/Kg			05/23/23 10:13	1

Method: SW846 8015B NM - D	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		05/22/23 09:25	05/22/23 19:27	1
Diesel Range Organics (Over C10-C28)	377		49.8	mg/Kg		05/22/23 09:25	05/22/23 19:27	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/22/23 09:25	05/22/23 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			05/22/23 09:25	05/22/23 19:27	1
o-Terphenyl	127		70 - 130			05/22/23 09:25	05/22/23 19:27	1

Method: EPA 300.0 - Anions, I	ethod: EPA 300.0 - Anions, Ion Chromatography - Soluble							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	45.0	5.01	mg/Kg			05/20/23 22:57	1	

Client Sample ID: TT-2 @18' Lab Sample ID: 880-28373-2 Date Collected: 05/11/23 08:40 **Matrix: Solid**

Sample Depth: 18'

Date Received: 05/12/23 15:49

Method: SW846 8260C -			s by GC/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.198	U	0.198	mg/Kg		05/22/23 11:52	05/23/23 12:27	200
Toluene	<0.990	U	0.990	mg/Kg		05/22/23 11:52	05/23/23 12:27	200
Ethylbenzene	1.46		0.198	mg/Kg		05/22/23 11:52	05/23/23 12:27	200
m,p-Xylenes	2.12		0.396	mg/Kg		05/22/23 11:52	05/23/23 12:27	200
o-Xylene	1.17		0.198	mg/Kg		05/22/23 11:52	05/23/23 12:27	200
Xylenes, Total	3.29		0.396	mg/Kg		05/22/23 11:52	05/23/23 12:27	200

Project/Site: HEP:Hobbs Station TK 5202

Client Sample ID: TT-2 @18'

Date Collected: 05/11/23 08:40 Date Received: 05/12/23 15:49

Sample Depth: 18'

Lab Sam	ple ID:	880-283	373-2
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Job ID: 880-28373-1

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		56 - 150	05/22/23 11:52 05/23/23 12:27	200
4-Bromofluorobenzene (Surr)	98		68 - 152	05/22/23 11:52 05/23/23 12:27	200
Dibromofluoromethane (Surr)	98		53 - 142	05/22/23 11:52 05/23/23 12:27	200
Toluene-d8 (Surr)	98		70 - 130	05/22/23 11:52 05/23/23 12:27	200

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 0.396 mg/Kg 05/23/23 15:28 **Total BTEX** 4.75

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier Unit Analyte D Prepared Analyzed Dil Fac 49.9 05/23/23 10:13 **Total TPH** 2400 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Prepared Analyzed Dil Fac **Gasoline Range Organics** 251 49.9 mg/Kg 05/22/23 09:25 05/22/23 18:22 (GRO)-C6-C10 **Diesel Range Organics (Over** 05/22/23 09:25 05/22/23 18:22 1910 49.9 mg/Kg C10-C28) Oll Range Organics (Over 236 49.9 mg/Kg 05/22/23 09:25 05/22/23 18:22 C28-C36)

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 136 S1+ 70 - 130 05/22/23 09:25 05/22/23 18:22 o-Terphenyl 132 S1+ 70 - 130 05/22/23 09:25 05/22/23 18:22

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac Chloride 109 5.02 mg/Kg 05/20/23 23:02

Client Sample ID: TT-4 @17'

Released to Imaging: 12/14/2023 3:22:23 PM

Date Collected: 05/11/23 09:55 Date Received: 05/12/23 15:49

Sample Depth: 17'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.39		2.01	mg/Kg		05/22/23 11:52	05/22/23 18:22	2000
Toluene	37.0		10.0	mg/Kg		05/22/23 11:52	05/22/23 18:22	2000
Ethylbenzene	27.1		2.01	mg/Kg		05/22/23 11:52	05/22/23 18:22	2000
m,p-Xylenes	32.3		4.02	mg/Kg		05/22/23 11:52	05/22/23 18:22	2000
o-Xylene	14.9		2.01	mg/Kg		05/22/23 11:52	05/22/23 18:22	2000
Xylenes, Total	47.2		4.02	mg/Kg		05/22/23 11:52	05/22/23 18:22	2000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		56 - 150			05/22/23 11:52	05/22/23 18:22	2000
4-Bromofluorobenzene (Surr)	100		68 - 152			05/22/23 11:52	05/22/23 18:22	2000
Dibromofluoromethane (Surr)	96		53 - 142			05/22/23 11:52	05/22/23 18:22	2000
Toluene-d8 (Surr)	97		70 - 130			05/22/23 11:52	05/22/23 18:22	2000

Eurofins Midland

Lab Sample ID: 880-28373-3 **Matrix: Solid**

Project/Site: HEP:Hobbs Station TK 5202

Client Sample ID: TT-4 @17'

Date Collected: 05/11/23 09:55 Date Received: 05/12/23 15:49

Sample Depth: 17'

Lab Sample ID: 880-28373-3

Prepared

Analyzed

Lab Sample ID: 880-28373-4

Matrix: Solid

Method: TAL SOP Total BTEX	- Total BTE	X Calculation	n					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	115		4.02	mg/Kg			05/23/23 15:28	1

Method: SW846 8015 NM - Die	esel Range Organics (DRO) (GC)					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6310	249	mg/Kg			05/23/23 10:13	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1940	249	mg/Kg		05/22/23 09:25	05/22/23 18:44	5
Diesel Range Organics (Over C10-C28)	3890	249	mg/Kg		05/22/23 09:25	05/22/23 18:44	5
Oll Range Organics (Over C28-C36)	479	249	mg/Kg		05/22/23 09:25	05/22/23 18:44	5

	Method: EPA 300.0 - Anions, Ion Chro	matography - S	oluble			
	o-Terphenyl	114	70 - 130	05/22/23 09:25	05/22/23 18:44	5
ı	1-Chlorooctane	123	70 - 130	05/22/23 09:25	05/22/23 18:44	5

Limits

%Recovery Qualifier

Method: EPA 300.0 - Anions, i	on Chromatography - S	olubie					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.3	5.00	mg/Kg			05/20/23 23:08	1

Client Sample ID: TT-4 @18' Date Collected: 05/11/23 10:00

Released to Imaging: 12/14/2023 3:22:23 PM

Date Received: 05/12/23 15:49

Sample Depth: 18'

Surrogate

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.39		1.00	mg/Kg		05/22/23 11:52	05/22/23 18:43	1000
Toluene	18.2		5.02	mg/Kg		05/22/23 11:52	05/22/23 18:43	1000
Ethylbenzene	13.6		1.00	mg/Kg		05/22/23 11:52	05/22/23 18:43	1000
m,p-Xylenes	15.9		2.01	mg/Kg		05/22/23 11:52	05/22/23 18:43	1000
o-Xylene	7.74		1.00	mg/Kg		05/22/23 11:52	05/22/23 18:43	1000
Xylenes, Total	23.6		2.01	mg/Kg		05/22/23 11:52	05/22/23 18:43	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		56 - 150			05/22/23 11:52	05/22/23 18:43	1000
4-Bromofluorobenzene (Surr)	97		68 - 152			05/22/23 11:52	05/22/23 18:43	1000
Dibromofluoromethane (Surr)	97		53 - 142			05/22/23 11:52	05/22/23 18:43	1000
Toluene-d8 (Surr)	98		70 - 130			05/22/23 11:52	05/22/23 18:43	1000

Method: TAL SOP Total BTE	EX - Total BTEX Calculation	on					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	56.8	2.01	mg/Kg			05/23/23 15:28	1
Mothod: SW946 9045 NM I	Discal Bango Organico (D	PO) (CC)					

Method: SW846 8015 NM - Die	sei Kange O	rganics (DRO) (C	5C)					
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	6690		250	mg/Kg			05/23/23 10:13	1

Eurofins Midland

Dil Fac

Matrix: Solid

Client Sample Results

Client: TRC Solutions, Inc.

Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

Client Sample ID: TT-4 @18'

Date Collected: 05/11/23 10:00 Date Received: 05/12/23 15:49

Sample Depth: 18'

Lab S	Sample	ID:	880-	28373-4
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Matrix: Solid

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1780	250	mg/Kg		05/22/23 09:25	05/22/23 19:05	5
Diesel Range Organics (Over C10-C28)	4400	250	mg/Kg		05/22/23 09:25	05/22/23 19:05	5
Oll Range Organics (Over C28-C36)	507	250	mg/Kg		05/22/23 09:25	05/22/23 19:05	5

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 70 - 130 <u>05/22/23 09:25</u> <u>05/22/23 19:05</u> 1-Chlorooctane 129 5 o-Terphenyl 124 70 - 130 05/22/23 09:25 05/22/23 19:05 5

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83.7		4.98	mg/Kg			05/20/23 23:13	1

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Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid Prep Type: Total/NA

_			Pe	ercent Surre	ogate Rec
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
860-49003-E-4-A MS - DL	Matrix Spike	98	95	97	100
880-28373-1	TT-2 @17'	100	98	97	100
880-28373-2	TT-2 @18'	101	98	98	98
880-28373-2 MS	TT-2 @18'	96	101	100	101
880-28373-3	TT-4 @17'	101	100	96	97
880-28373-4	TT-4 @18'	99	97	97	98
LCS 860-104178/3	Lab Control Sample	102	103	103	99
LCS 860-104383/3	Lab Control Sample	100	100	102	99
LCSD 860-104178/4	Lab Control Sample Dup	100	101	100	102
LCSD 860-104383/4	Lab Control Sample Dup	98	102	103	101
MB 860-104178/9	Method Blank	101	102	99	98
MB 860-104383/9	Method Blank	99	102	98	101
Surrogate Legend					

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1001	Percent Surrogate Recovery (A	,
Lab Sample ID	Client Sample ID	(70-130)	70-130)	
880-28373-1	TT-2 @17'	109	127	
880-28373-2	TT-2 @18'	136 S1+	32 S1+	
880-28373-3	TT-4 @17'	123	114	
880-28373-4	TT-4 @18'	129	124	
890-4682-A-1-D MS	Matrix Spike	121	127	
890-4682-A-1-E MSD	Matrix Spike Duplicate	105	115	
LCS 880-53847/2-A	Lab Control Sample	96	106	
LCSD 880-53847/3-A	Lab Control Sample Dup	111	124	
MB 880-53847/1-A	Method Blank	179 S1+	18 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

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Project/Site: HEP:Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-104178/9 **Matrix: Solid**

Analysis Batch: 104178

Client Sample ID: Method Blan	k
Prep Type: Total/N	A

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/22/23 12:43	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/22/23 12:43	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/22/23 12:43	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/22/23 12:43	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/22/23 12:43	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/22/23 12:43	1

	MB I	· MB						
Surrogate	%Recovery (Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1,2-Dichloroethane-d4 (Surr)	101		56 - 150		05/22/23 12:43	1		
4-Bromofluorobenzene (Surr)	102		68 - 152		05/22/23 12:43	1		
Dibromofluoromethane (Surr)	99		53 - 142		05/22/23 12:43	1		
Toluene-d8 (Surr)	98		70 - 130		05/22/23 12:43	1		

Lab Sample ID: LCS 860-104178/3

Matrix: Solid

Analysis Batch: 104178

Client Sample ID: Lab Control Sample

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Prep Type: Total/NA

	Бріке	LUS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	 0.0500	0.05053		mg/Kg		101	66 - 142	
Toluene	0.0500	0.04605		mg/Kg		92	74 - 130	
Ethylbenzene	0.0500	0.05119		mg/Kg		102	80 - 130	
m,p-Xylenes	0.0500	0.05195		mg/Kg		104	78 - 130	
o-Xylene	0.0500	0.05094		mg/Kg		102	79 - 130	

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	LCS	LCS	S		
Surrogate	%Recovery	Qualifier	Limits		
1,2-Dichloroethane-d4 (Surr)	102		56 - 150		
4-Bromofluorobenzene (Surr)	103		68 - 152		
Dibromofluoromethane (Surr)	103		53 - 142		
Toluene-d8 (Surr)	99		70 - 130		

Lab Sample ID: LCSD 860-104178/4

Matrix: Solid

Analysis Batch: 104178

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

	Spike	LCSD LCSD				%Rec		RPD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04990	mg/Kg		100	66 - 142	1	25
Toluene	0.0500	0.04704	mg/Kg		94	74 - 130	2	25
Ethylbenzene	0.0500	0.05147	mg/Kg		103	80 - 130	1	25
m,p-Xylenes	0.0500	0.05223	mg/Kg		104	78 - 130	1	25
o-Xylene	0.0500	0.05219	mg/Kg		104	79 - 130	2	25

	LCSD	LCSD		
Surrogate	%Recovery	Qualifier	Limits	
1,2-Dichloroethane-d4 (Surr)	100		56 - 150	
4-Bromofluorobenzene (Surr)	101		68 - 152	
Dibromofluoromethane (Surr)	100		53 - 142	
Toluene-d8 (Surr)	102		70 - 130	

Project/Site: HEP:Hobbs Station TK 5202

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 880-28373-2 MS

Matrix: Solid

Analysis Batch: 104383

Client Sample ID: TT-2 @18'

Prep Type: Total/NA Prep Batch: 104268

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	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.198	U	9.90	9.161		mg/Kg		93	71 - 119
Toluene	< 0.990	U	9.90	8.766		mg/Kg		82	74 - 122
Ethylbenzene	1.46		9.90	10.52		mg/Kg		91	80 - 123
m,p-Xylenes	2.12		9.90	11.07		mg/Kg		90	78 - 127
o-Xylene	1.17		9.90	10.39		mg/Kg		93	79 - 125

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		56 - 150
4-Bromofluorobenzene (Surr)	101		68 - 152
Dibromofluoromethane (Surr)	100		53 - 142
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 860-104383/9 Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 104383

Prep Type: Total/NA

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			05/23/23 11:46	1
Toluene	<0.00500	U	0.00500	mg/Kg			05/23/23 11:46	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			05/23/23 11:46	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			05/23/23 11:46	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			05/23/23 11:46	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			05/23/23 11:46	1

MB MB

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99	56 - 150		05/23/23 11:46	1
4-Bromofluorobenzene (Surr)	102	68 - 152		05/23/23 11:46	1
Dibromofluoromethane (Surr)	98	53 - 142		05/23/23 11:46	1
Toluene-d8 (Surr)	101	70 - 130		05/23/23 11:46	1

Lab Sample ID: LCS 860-104383/3

Matrix: Solid

Analysis Batch: 104383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS LCS			%Rec	
Analyte	Added	Result Qualific	er Unit	D %Rec	Limits	
Benzene	0.0500	0.04946	mg/Kg	99	66 - 142	
Toluene	0.0500	0.04593	mg/Kg	92	74 - 130	
Ethylbenzene	0.0500	0.05069	mg/Kg	101	80 - 130	
m,p-Xylenes	0.0500	0.05170	mg/Kg	103	78 - 130	
o-Xylene	0.0500	0.05098	mg/Kg	102	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		56 - 150
4-Bromofluorobenzene (Surr)	100		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	99		70 - 130

Project/Site: HEP:Hobbs Station TK 5202

Lab Sample ID: LCSD 860-104383/4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 104383

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04909		mg/Kg		98	66 - 142	1	25
Toluene	0.0500	0.04679		mg/Kg		94	74 - 130	2	25
Ethylbenzene	0.0500	0.05132		mg/Kg		103	80 - 130	1	25
m,p-Xylenes	0.0500	0.05082		mg/Kg		102	78 - 130	2	25
o-Xylene	0.0500	0.05185		mg/Kg		104	79 - 130	2	25

LCSD LCSD Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 56 - 150 98 102 4-Bromofluorobenzene (Surr) 68 - 152 103

Dibromofluoromethane (Surr) 53 - 142 Toluene-d8 (Surr) 101 70 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 860-49003-E-4-A MS

Matrix: Solid

Analysis Batch: 104178

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

Prep Batch: 103445

Prep Type: Total/NA

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene - DL <0.0498 Ū 2.49 2.427 71 - 119 mg/Kg 97 Toluene - DL <0.249 U 2.49 2.244 mg/Kg 90 74 - 122 Ethylbenzene - DL 0.0509 2.49 2.467 mg/Kg 97 80 - 123 m,p-Xylenes - DL 0.163 2.49 2.553 mg/Kg 96 78 - 127 o-Xylene - DL 0.130 2.49 2.464 94 79 - 125 mg/Kg

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr) -	98		56 - 150
DL			
4-Bromofluorobenzene (Surr) -	95		68 - 152
DL			
Dibromofluoromethane (Surr) -	97		53 - 142
DL			
Toluene-d8 (Surr) - DL	100		70 - 130

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

Lab Sample ID: MB 880-53847/1-A

Matrix: Solid

Analysis Batch: 53828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 53847

MB MB **Analyte** Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 05/22/23 08:00 05/22/23 08:26 (GRO)-C6-C10 <50.0 U 50.0 05/22/23 08:00 05/22/23 08:26 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 05/22/23 08:00 05/22/23 08:26

MB MB %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 179 S1+

Analyzed 05/22/23 08:00 05/22/23 08:26

Prepared

Eurofins Midland

Dil Fac

Project/Site: HEP:Hobbs Station TK 5202

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

MB MB

Lab Sample ID: MB 880-53847/1-A **Matrix: Solid**

Analysis Batch: 53828

Client Sample ID: Method Blank

Prep Batch: 53847

Prep Type: Total/NA

Limits %Recovery Qualifier Prepared Analyzed Dil Fac 05/22/23 08:00 05/22/23 08:26 218 S1+ 70 - 130

Lab Sample ID: LCS 880-53847/2-A

Lab Sample ID: LCSD 880-53847/3-A

Matrix: Solid

Surrogate

o-Terphenyl

Analysis Batch: 53828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 53847

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec Gasoline Range Organics 1000 899.0 mg/Kg 90 70 - 130 (GRO)-C6-C10 1000 884.1 70 - 130 Diesel Range Organics (Over mg/Kg 88 C10-C28)

LCS LCS

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 96 o-Terphenyl 106 70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 53828

Prep Type: Total/NA

Prep Batch: 53847

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics 1000 999.0 mg/Kg 100 70 - 130 11 20 (GRO)-C6-C10 1000 1018 102 70 - 130 14 20 Diesel Range Organics (Over mg/Kg C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	111	70 - 130
o-Terphenyl	124	70 - 130

Lab Sample ID: 890-4682-A-1-D MS

Matrix: Solid

Analysis Batch: 53828

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 53847

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <50.0 U 998 Gasoline Range Organics 1131 108 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 104 998 1181 mg/Kg 108 70 - 130 C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	127		70 - 130

Project/Site: HEP:Hobbs Station TK 5202

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

Lab Sample ID: 890-4682-A-1-E MSD

Analysis Batch: 53828

Matrix: Solid

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 53847

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier D %Rec Limits **RPD** Limit Analyte Unit <50.0 U Gasoline Range Organics 999 940.5 mg/Kg 89 70 - 130 18 20 (GRO)-C6-C10 Diesel Range Organics (Over 104 999 1032 93 70 - 130 mg/Kg 13 20 C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	115		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53738/1-A

Matrix: Solid

Analysis Batch: 53780

Client Sample ID: Method Blank Prep Type: Soluble

MB MB

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	<5.00	U	5.00	mg/Kg			05/20/23 20:43	1

Lab Sample ID: LCS 880-53738/2-A

Matrix: Solid

Analysis Batch: 53780

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Chloride	250	264.5	mg/Kg		106	90 - 110	

Lab Sample ID: LCSD 880-53738/3-A

Matrix: Solid

Analysis Batch: 53780

-	Spike	LCSD	LCSD			%Rec		RPD
Analyte	Added	Result	Qualifier U	Unit [%Rec	Limits	RPD	Limit
Chloride	250	266.7	n	ma/Ka	107	90 - 110		20

Lab Sample ID: 880-28614-A-6-B MS

Matrix: Solid

Analysis Batch: 53780

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	2390		1240	3600		ma/Ka	_	98	90 - 110	

Lab Sample ID: 880-28614-A-6-C MSD

Matrix: Solid

Analysis Databy 52700

Analysis balch: 53760											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2390		1240	3619		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: TRC Solutions, Inc.

Project/Site: HEP:Hobbs Station TK 5202

Job ID: 880-28373-1

GC/MS VOA

Prep Batch: 103445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-49003-E-4-A MS - I	DL Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 104178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-1	TT-2 @17'	Total/NA	Solid	8260C	104268
880-28373-3	TT-4 @17'	Total/NA	Solid	8260C	104268
880-28373-4	TT-4 @18'	Total/NA	Solid	8260C	104268
MB 860-104178/9	Method Blank	Total/NA	Solid	8260C	
LCS 860-104178/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-104178/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-49003-E-4-A MS - DL	Matrix Spike	Total/NA	Solid	8260C	103445

Prep Batch: 104268

Lab Sample ID 880-28373-1	Client Sample ID TT-2 @17'	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
880-28373-2	TT-2 @18'	Total/NA	Solid	5035	
880-28373-3	TT-4 @17'	Total/NA	Solid	5035	
880-28373-4	TT-4 @18'	Total/NA	Solid	5035	
880-28373-2 MS	TT-2 @18'	Total/NA	Solid	5035	

Analysis Batch: 104383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-2	TT-2 @18'	Total/NA	Solid	8260C	104268
MB 860-104383/9	Method Blank	Total/NA	Solid	8260C	
LCS 860-104383/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-104383/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
880-28373-2 MS	TT-2 @18'	Total/NA	Solid	8260C	104268

Analysis Batch: 104508

Lab Sample ID 880-28373-1	Client Sample ID TT-2 @17'	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
880-28373-2	TT-2 @18'	Total/NA	Solid	Total BTEX	
880-28373-3	TT-4 @17'	Total/NA	Solid	Total BTEX	
880-28373-4	TT-4 @18'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 53828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-1	TT-2 @17'	Total/NA	Solid	8015B NM	53847
880-28373-2	TT-2 @18'	Total/NA	Solid	8015B NM	53847
880-28373-3	TT-4 @17'	Total/NA	Solid	8015B NM	53847
880-28373-4	TT-4 @18'	Total/NA	Solid	8015B NM	53847
MB 880-53847/1-A	Method Blank	Total/NA	Solid	8015B NM	53847
LCS 880-53847/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53847
LCSD 880-53847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53847
890-4682-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	53847
890-4682-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	53847

Client: TRC Solutions, Inc. Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

GC Semi VOA

Prep Batch: 53847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-1	TT-2 @17'	Total/NA	Solid	8015NM Prep	
880-28373-2	TT-2 @18'	Total/NA	Solid	8015NM Prep	
880-28373-3	TT-4 @17'	Total/NA	Solid	8015NM Prep	
880-28373-4	TT-4 @18'	Total/NA	Solid	8015NM Prep	
MB 880-53847/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53847/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4682-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4682-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-1	TT-2 @17'	Total/NA	Solid	8015 NM	
880-28373-2	TT-2 @18'	Total/NA	Solid	8015 NM	
880-28373-3	TT-4 @17'	Total/NA	Solid	8015 NM	
880-28373-4	TT-4 @18'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-1	TT-2 @17'	Soluble	Solid	DI Leach	
880-28373-2	TT-2 @18'	Soluble	Solid	DI Leach	
880-28373-3	TT-4 @17'	Soluble	Solid	DI Leach	
880-28373-4	TT-4 @18'	Soluble	Solid	DI Leach	
MB 880-53738/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53738/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53738/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-28614-A-6-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-28614-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 53780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-28373-1	TT-2 @17'	Soluble	Solid	300.0	53738
880-28373-2	TT-2 @18'	Soluble	Solid	300.0	53738
880-28373-3	TT-4 @17'	Soluble	Solid	300.0	53738
880-28373-4	TT-4 @18'	Soluble	Solid	300.0	53738
MB 880-53738/1-A	Method Blank	Soluble	Solid	300.0	53738
LCS 880-53738/2-A	Lab Control Sample	Soluble	Solid	300.0	53738
LCSD 880-53738/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53738
880-28614-A-6-B MS	Matrix Spike	Soluble	Solid	300.0	53738
880-28614-A-6-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	53738

Eurofins Midland

Project/Site: HEP:Hobbs Station TK 5202

Client Sample ID: TT-2 @17'

Date Collected: 05/11/23 08:35 Date Received: 05/12/23 15:49

Lab Sample ID: 880-28373-1

Matrix: Solid

Matrix: Solid

Job ID: 880-28373-1

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed Analyst Lab 5035 EET HOU Total/NA Prep 5.05 g 5 mL 104268 05/22/23 11:52 MTMG 8260C Total/NA Analysis 50 5 mL 5 mL 104178 05/22/23 17:41 MTMG **EET HOU** Total/NA Analysis Total BTEX 104508 05/23/23 15:28 MTMG **EET HOU** 1 Total/NA 8015 NM 1 53978 05/23/23 10:13 SM **EET MID** Analysis Total/NA 8015NM Prep 10.04 a 10 mL 53847 05/22/23 09:25 AM **EET MID** Prep Total/NA Analysis 8015B NM 1 uL 1 uL 53828 05/22/23 19:27 SM **EET MID** Soluble Leach DI Leach 4.99 a 50 mL 53738 05/19/23 12:28 CH **EET MID** 300.0 53780 05/20/23 22:57 CH **EET MID** Soluble Analysis 1 50 mL 50 mL

Client Sample ID: TT-2 @18' Lab Sample ID: 880-28373-2

Date Collected: 05/11/23 08:40 Date Received: 05/12/23 15:49

Batch Batch Dil Initial Final Batch **Prepared** Method **Prep Type** Type Run **Factor Amount** Amount Number or Analyzed Analyst Lab 5035 EET HOU Total/NA Prep 5.05 g 5 mL 104268 05/22/23 11:52 MTMG Total/NA 8260C 200 **EET HOU** 5 mL 5 mL 104383 05/23/23 12:27 MTMG Analysis Total/NA Analysis Total BTEX 104508 05/23/23 15:28 MTMG **EET HOU** 1 Total/NA Analysis 8015 NM 1 53978 05/23/23 10:13 SM **EET MID** Total/NA 8015NM Prep 10.02 g 10 mL 53847 05/22/23 09:25 AM **EET MID** Prep 8015B NM Total/NA Analysis 1 1 uL 1 uL 53828 05/22/23 18:22 SM **EET MID** Soluble 4.98 g 50 mL 53738 05/19/23 12:28 CH **EET MID** Leach DI Leach Soluble Analysis 300.0 1 50 mL 50 mL 53780 05/20/23 23:02 CH **EET MID**

Client Sample ID: TT-4 @17' Lab Sample ID: 880-28373-3 Date Collected: 05/11/23 09:55 **Matrix: Solid**

Date Received: 05/12/23 15:49

Dil Initial Batch Batch Final Batch **Prepared Prep Type** Type Method Run **Factor** Amount Amount Number or Analyzed **Analyst** Lab Total/NA Prep 5035 4.98 g 5 mL 104268 05/22/23 11:52 MTMG **EET HOU** 8260C Total/NA Analysis 2000 5 mL 5 mL 104178 05/22/23 18:22 MTMG **EET HOU** Total/NA Analysis Total BTEX 1 104508 05/23/23 15:28 MTMG **EET HOU** Total/NA Analysis 8015 NM 53978 05/23/23 10:13 SM **EET MID** Total/NA 8015NM Prep 10.04 g 53847 05/22/23 09:25 AM **EET MID** Prep 10 ml Total/NA Analysis 8015B NM 5 1 uL 1 uL 53828 05/22/23 18:44 SM **EET MID** 53738 Soluble Leach DI Leach 5 g 50 mL 05/19/23 12:28 CH **EET MID** Soluble Analysis 300.0 50 mL 50 mL 53780 05/20/23 23:08 CH **EET MID**

Client Sample ID: TT-4 @18' Lab Sample ID: 880-28373-4 Date Collected: 05/11/23 10:00

Date Received: 05/12/23 15:49

Released to Imaging: 12/14/2023 3:22:23 PM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	104268	05/22/23 11:52	MTMG	EET HOU
Total/NA	Analysis	8260C		1000	5 mL	5 mL	104178	05/22/23 18:43	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			104508	05/23/23 15:28	MTMG	EET HOU

Eurofins Midland

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Matrix: Solid

Lab Chronicle

Client: TRC Solutions, Inc.

Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

Client Sample ID: TT-4 @18' Lab Sample ID: 880-28373-4

Matrix: Solid

Date Collected: 05/11/23 10:00 Date Received: 05/12/23 15:49

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53978	05/23/23 10:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53847	05/22/23 09:25	AM	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	53828	05/22/23 19:05	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53738	05/19/23 12:28	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	53780	05/20/23 23:13	CH	EET MID

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-28373-1

Project/Site: HEP:Hobbs Station TK 5202

Laboratory: Eurofins Midland

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

Authority Texas	Program NELAP		T104704400-22-25	Expiration Date 06-30-23	
,	s are included in this re	port, but the laboratory is r	ot certified by the governing authority.	This list may include analytes for which	
the agency does not t					
Analysis Method	Prep Method	Matrix	Analyte		

Laboratory: Eurofins Houston

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas Texas		IELAP T104704215-23-		06-30-23
The following analyte	s are included in this repo	ort but the laboratory is r	not cortified by the governing outbority	This list as a visual value as a list of fact which
0 ,	•	ort, but the laboratory is i	ior certified by the governing authority.	This list may include analytes for which
the agency does not	offer certification.	,	, , ,	This list may include analytes for which
0 ,	•	Matrix	Analyte	This list may include analytes for which

Eurofins Midland

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Method Summary

Client: TRC Solutions, Inc.

Project/Site: HEP:Hobbs Station TK 5202

Job ID: 880-28373-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET HOU
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: HEP:Hobbs Station TK 5202

Job ID: 880-28373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-28373-1	TT-2 @17'	Solid	05/11/23 08:35	05/12/23 15:49	17'
880-28373-2	TT-2 @18'	Solid	05/11/23 08:40	05/12/23 15:49	18'
880-28373-3	TT-4 @17'	Solid	05/11/23 09:55	05/12/23 15:49	17'
880-28373-4	TT-4 @18'	Solid	05/11/23 10:00	05/12/23 15:49	18'

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Revised Date 08/25/2020 Rev 2020 2

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Chain of Custody

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Received by (Signature)

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Released to Imaging: 12/14/2023 3:22:23 PM

Eurofins Midland

1211 W Florida Ave Midland, TX 79701 Phone: 432-704-5440

Chain of Custody Record



🕸 eurofins

Enteronment Testing

Received by OCD: 9/26/2023 3:37:34 PM

Client Information (Sub Contract Lab)	Sampler				PM: amer	.less	ica					7	Carrier	Track	ing N	o(s):				COC No: 880-7045,1		
Client Contact Shipping/Receiving	Phone:			E-V	fail:									f Origi					- 15	Page:		
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Eurofins Environment Testing South Centr							Tex			,.										880-28373-1		
Address: 4145 Greenbriar Dr	Due Date Requeste 5/23/2023	ed:			1			_	Α	naiy	sis i	Rea	uest	ed					T	Preservation Code	s. M Hexane	
City: Stafford State, Zip:	TAT Requested (da	ys):							T								1			A HCL B NaOH C Zn Acetate O Nitric Acid	N None O AsNaO2 P Na2O4S Q Na2SO3	
TX, 77477 Phone: 281-240-4200(Tel)	PO#:				1		1			} }		}								E NaHSQ4	R Na2\$20: S H2\$Q4	3 ecahydrale
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Samula Identification (New LID (Lat. ID)	2	Sample	Sample Type (C=comp,	Matrix (wewater S=solid, O=waste/of	eld Fillsred 6	Partorm MS/M:	8250C/5035FP_Calc BTEX	7112	}										Total Number of containers			
Sample Identification Client ID (Lab ID)	Sample Date	Time	G≔grab) e Preservati		##	#	100 F		41 746			-4			~ 4e 8	9779		- 1	51-	Special Inst	ructions/	Note:
TT-2 @17 (880-28373-1)	5/11/23	08:35		Solid	Ħ	<u> </u>	x) >	<u> </u>	1 12		ik, baja	ii		-12	49 <u>C.</u>	. 1.79 Se		- 7	γ	<u>Kara sa mariban</u> an sa	2	****
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TT-4 @17' (880-28373-3)	5/11/23	09:55 Mountain		Solid	++	+	$\frac{1}{x}$	7	+-	1		1	+	+	+	+	寸	- Ph				
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Note: Since laboratory accreditations are subject to change, Eurofins Environment laboratory does not currently maintain accreditation in the State of Origin listed ab accreditation status should be brought to Eurofins Environment Testing South Cer	ove for analysis/tests	matrix being a	nalyzed, the san	nples must i	be shipi	ped ba	ack to ti	ne Euro	ofins Er	nviron n	nent Ti	estina	South	Centra	af. LLC	C (abo	ratory	ar att	her in:	istructions will be prov	ided Anvict	cances to
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Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-28373-1

List Source: Eurofins Midland Login Number: 28373

List Number: 1

Creator: Rodriguez, Leticia

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	

Eurofins Midland

5/24/2023

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-28373-1

Login Number: 28373 **List Source: Eurofins Houston** List Number: 2 List Creation: 05/20/23 03:18 PM

Creator: Pena, Jesiel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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?	N/A	
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	



Analytical Data Review Checklist

Site: Hobbs Station Tank 5202 Laboratory: Eurofins Midland and Eurofins Houston

Location: Hobbs, NM

Client Name: HEP

Project #: 528833

Lab Report #: 880-28373-1

Reviewer: A. Eljuri

Peer Reviewer: L. Denly

Review Date: 9/12/2023

Analytical Method(s):

BTEX by Method 8260C; TPH (GRO, DRO, ORO, and Seil

Matrices Sampled: Sample Collection Date(s):

Matrices Sampled: Matrices Sample Collection Date(s):

Total) by Method 8015B NM; Chloride by EPA 300.0 Soil May 11, 2023

Sampling Objective(s):

Collect confirmation soil samples at a release site.

Sample IDs (List IDs or attach COC):

Refer to data package sample summary.

Revi	ew Item or Question	Υ	N	NA	Comments
Chain-	of-Custody and Data Completeness				
1	Was COC appropriately completed?		х		The initial relinquish time and date from Eurofins Midland to FedEx is missing. The COC did not mark that samples TT-2 @ 17', TT-2 @ 18',TT-4 @ 17', and TT-4 @ 18' were to be analyzed for BTEX, TPHs,
					and chloride on the first COC to Eurofins Midland. This was corrected on the COC between Eurofins Midland and Eurofins Houston.
2	Did the laboratory report correct sample IDs?		Х		The client sample IDs in the COC have a different format (number of spaces) compared to the Sample Summary for the majority of samples.
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	Х			
4	Are results reported for all analytical methods requested?	Х			The laboratory reported Total TPH and Total BTEX (solid), which are not offered for accreditation.
5	Are results reported for all samples submitted for analysis?	Х			
6	Were the requested analytical methods used?	Х			
7	Are results reported for all target analytes, but no additional analytes?	Х			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		х		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?			Х	
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	Х			
Sampl	e Preservation				
11a	Did samples arrive at the laboratory appropriately preserved?			х	
11b	Was the cooler temperature between 0-6°C?	Х			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			х	



Analytical Data Review Checklist

	ew Item or Question	Υ	N	NA	Comments
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		Х		Soil samples were collected in unpreserved bulk jars, which is an acceptable collection method for BTEX and TPH analyses for the New Mexico Oil Conservation District.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	Х			
13	Were any issues noted by the laboratory upon receipt?		Х		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			Х	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			х	
loldir	ng Times				
15	Were sample preparation and analysis holding time requirements met?	Х			
Repor	ting Limits				
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	Х			All non-detect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).	Х			TT-2 @ 17': BTEX 50-fold TT-2 @ 18': BTEX 200-fold TT-4 @ 17': BTEX 2,000-fold; TPH 5-fold TT-4 @ 18': BTEX 1,000-fold; TPH 5-fold
	Did the laboratory provide an adequate explanation as to why dilutions were performed?		Х		Per the Case Narrative, the samples listed in Item 17 were diluted for BTEX due to the nature of the sample matrix; no
18	explanation as to why diddlens were performed.		^		reason was provided for TPH.
			^		
QC F	Results		^		
QC F	Results		^		
QC F	Results		X		
QC F	Results s Were target analytes detected in the method blanks? If yes, list contaminants, concentrations	X			
QC F	Results Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have	X		X	
QC F Blank 19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have its own method blank? 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	X		X	
20 19 21 22	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have its own method blank? 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). Are there any potential false positive results based on questions 19 and/or 21?	X	X	X	
19 20 21	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have its own method blank? 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). Are there any potential false positive results	X	X	X	
20 21 22 abor	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have its own method blank? 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). Are there any potential false positive results based on questions 19 and/or 21? atory Control Spikes Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples. Does each analytical or preparation batch have its own LCS?		X	X	Total xylenes and TPH ORO are not reported in any LCS or
20 21 22 abor 23	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have its own method blank? 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). Are there any potential false positive results based on questions 19 and/or 21? atory Control Spikes Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples. Does each analytical or preparation batch have	X	X	X	Total xylenes and TPH ORO are not reported in any LCS or
20 21 22 abor 23 24 25	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples. Does each analytical or preparation batch have its own method blank? 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). Are there any potential false positive results based on questions 19 and/or 21? atory Control Spikes Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples. Does each analytical or preparation batch have its own LCS? Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected	x x	X	X	Total xylenes and TPH ORO are not reported in any LCS or



Analytical Data Review Checklist

Revi	ew Item or Question	Υ	N	NA	Comments
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	Х			
Surrog	gates				
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		Х		In sample TT-2 @ 18', surrogates 1-chlorooctane (136%) and oterphenyl (132%) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. Therefore, detected TPH GRO, TPH DRO, TPH ORO, and Total TPH results in sample TT-2 @ 18' may be considered estimated, biased high.
Duplic	ates				
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			х	
30	Were field duplicate criteria met? If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples. NOTE: RPD ≤ 50% for soil samples when results are >3x the reporting limit; otherwise, AbsD > 2x reporting limit.			Х	
Do the	Data Make Sense?				
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences) that have not already been addressed above? If yes, list the comments that have potential impact to sample results (or attach case narrative and highlight the comments that have potential impact to sample results).		Х		
32	Were any other potential data quality issues identified? If yes, describe issues.		Х		
33	Do any results look questionable? If yes, ASK THE LAB.		Х		
34	Has the EDD been compared to the lab report?			х	
Additio	nal Comments:			•	

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

AbsD = Absolute Difference

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

MRO = Motor Range Organics

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 = $100\% \times |(A-B)/((A+B)/2)|$

TPH = Total Petroleum Hydrocarbon

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

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JOB DESCRIPTION

Hobbs Station T5202 SDG NUMBER Hobbs Station

JOB NUMBER

890-5025-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

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Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: TRC Solutions, Inc.

Project/Site: Hobbs Station T5202

Laboratory Job ID: 890-5025-1 SDG: Hobbs Station

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS and/or LCSD is outside acceptance limits, low biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.

n 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

Duplicate Error Ratio (normalized absolute difference) **DER**

Dilution Factor Dil Fac

Detection Limit (DoD/DOE) DΙ

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)

Method Detection Limit MDL 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**

Presumptive **PRES** 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: Hobbs Station T5202

Job ID: 890-5025-1

SDG: Hobbs Station

Job ID: 890-5025-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-5025-1

Receipt

The samples were received on 8/2/2023 2:25 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 2.2°C

GC/MS VOA

Method 8260C: Surrogate recovery for the following sample was outside the upper control limit: (860-54697-B-22). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed. Surrogate 4-Bromofluorobenzene is not associated with target analyte(s).

Method 8260C: Sample is in a bulk jar.(880-31511-A-3-M) and (880-31511-A-3-L MS)

Method 8260C: The following sample was diluted due to it being a sludge: SB-4 @40' (890-5025-5). Elevated reporting limits (RL) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: The following samples were diluted due to it being a filter: (830-4031-A-1-D) and (830-4031-A-1-D MS). Elevated reporting limits (RL) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: The following sample was diluted due to it being rocks: SB-4 @30' (890-5025-3). Elevated reporting limits (RL) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: Sample is in a bulk jar.SB-4 @20' (890-5025-1), SB-4 @25' (890-5025-2), SB-4 @35' (890-5025-4) and DUP-1 (890-5025-10)

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: The laboratory control sample (LCS) associated with preparation batch 880-59649 and analytical batch 880-59688 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. 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.

HPLC/IC

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

Lab Sample ID: 890-5025-1

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Client Sample ID: SB-4 @20'

Date Collected: 08/01/23 13:50 Date Received: 08/02/23 14:25

Sample Depth: 20

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990	mg/Kg		08/07/23 10:13	08/07/23 13:30	1
Toluene	<0.00495	U	0.00495	mg/Kg		08/07/23 10:13	08/07/23 13:30	1
Ethylbenzene	0.00725		0.000990	mg/Kg		08/07/23 10:13	08/07/23 13:30	1
m,p-Xylenes	0.0111		0.00198	mg/Kg		08/07/23 10:13	08/07/23 13:30	1
o-Xylene	0.00743		0.000990	mg/Kg		08/07/23 10:13	08/07/23 13:30	1
Kylenes, Total	0.0185		0.00198	mg/Kg		08/07/23 10:13	08/07/23 13:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		56 - 150			08/07/23 10:13	08/07/23 13:30	1
4-Bromofluorobenzene (Surr)	109		68 - 152			08/07/23 10:13	08/07/23 13:30	1
Dibromofluoromethane (Surr)	100		53 - 142			08/07/23 10:13	08/07/23 13:30	1
oluene-d8 (Surr)	102		70 - 130			08/07/23 10:13	08/07/23 13:30	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0258		0.00198	mg/Kg			08/08/23 17:21	1
Method: SW846 8015 NM -	Diesel Range (Organics (DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.3		50.4	mg/Kg			08/09/23 18:21	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *-	50.4	mg/Kg		08/08/23 15:08	08/09/23 11:34	1
Diesel Range Organics (Over C10-C28)	51.3		50.4	mg/Kg		08/08/23 15:08	08/09/23 11:34	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/08/23 15:08	08/09/23 11:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	81		70 - 130			08/08/23 15:08	08/09/23 11:34	1
o-Terphenyl (Surr)	82		70 - 130			08/08/23 15:08	08/09/23 11:34	1

Method: EPA 300.0 - Anions, Id	on Chromatography	y - Soluble					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.7	4.98	mg/Kg			08/07/23 21:45	1

Client Sample ID: SB-4 @25' Lab Sample ID: 890-5025-2 Date Collected: 08/01/23 13:55 Date Received: 08/02/23 14:25

Sample Depth: 25

Method: SW846 8260C - Vo	latile Organic	Compound	ds by GC/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00267		0.00100	mg/Kg		08/07/23 10:13	08/07/23 13:53	1
Toluene	<0.00502	U	0.00502	mg/Kg		08/07/23 10:13	08/07/23 13:53	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		08/07/23 10:13	08/07/23 13:53	1
m,p-Xylenes	<0.00201	U	0.00201	mg/Kg		08/07/23 10:13	08/07/23 13:53	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		08/07/23 10:13	08/07/23 13:53	1
Xylenes, Total	<0.00201	U	0.00201	mg/Kg		08/07/23 10:13	08/07/23 13:53	1

Eurofins Carlsbad

Matrix: Solid

Lab Sample ID: 890-5025-2

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Client Sample ID: SB-4 @25'

Date Collected: 08/01/23 13:55 Date Received: 08/02/23 14:25

Sample Depth: 25

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87	56 - 150	08/07/23 10:13	08/07/23 13:53	1
4-Bromofluorobenzene (Surr)	109	68 - 152	08/07/23 10:13	08/07/23 13:53	1
Dibromofluoromethane (Surr)	99	53 - 142	08/07/23 10:13	08/07/23 13:53	1
Toluene-d8 (Surr)	102	70 - 130	08/07/23 10:13	08/07/23 13:53	1

1	Wethod: IAL SUP Total BTEX	- lotal BIE	x Calculation	on					
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	0.00267		0.00201	mg/Kg			08/08/23 17:21	1

Method: SW846 8015 NM - Diese	el Range (Organics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			08/09/23 18:21	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *-	49.7	mg/Kg		08/08/23 15:08	08/09/23 11:58	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		08/08/23 15:08	08/09/23 11:58	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		08/08/23 15:08	08/09/23 11:58	1
Commo mode	0/ 🗖	O lifia	Limita			Duamanad	A a l a al	D# E

Surrogate	%Recovery Qualifier	Limits	Prepared	Anaiyzea	DII Fac
1-Chlorooctane (Surr)	86	70 - 130	08/08/23 15:08	08/09/23 11:58	1
o-Terphenyl (Surr)	91	70 - 130	08/08/23 15:08	08/09/23 11:58	1
The decided EDA 000 0 A disco	1 61	0.1.1.1.			

Method: EPA 300.0 - Anions, ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	49.5		5.04	mg/Kg			08/07/23 21:53	1

Client Sample ID: SB-4 @30' Lab Sample ID: 890-5025-3 Date Collected: 08/01/23 14:00

Date Received: 08/02/23 14:25

Sample Depth: 30

Analyte

Total BTEX

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0504	U	0.0504	mg/Kg		08/07/23 10:13	08/07/23 13:59	50
Toluene	<0.252	U	0.252	mg/Kg		08/07/23 10:13	08/07/23 13:59	50
Ethylbenzene	<0.0504	U	0.0504	mg/Kg		08/07/23 10:13	08/07/23 13:59	50
m,p-Xylenes	<0.101	U	0.101	mg/Kg		08/07/23 10:13	08/07/23 13:59	50
o-Xylene	<0.0504	U	0.0504	mg/Kg		08/07/23 10:13	08/07/23 13:59	50
Xylenes, Total	<0.101	U	0.101	mg/Kg		08/07/23 10:13	08/07/23 13:59	50
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		56 - 150			08/07/23 10:13	08/07/23 13:59	50
4-Bromofluorobenzene (Surr)	101		68 - 152			08/07/23 10:13	08/07/23 13:59	50
Dibromofluoromethane (Surr)	90		53 - 142			08/07/23 10:13	08/07/23 13:59	50
Toluene-d8 (Surr)	99		70 - 130			08/07/23 10:13	08/07/23 13:59	50

Eurofins Carlsbad

Analyzed

08/08/23 17:21

RL

0.101

Unit

mg/Kg

Prepared

Result Qualifier

<0.101 U

Dil Fac

Matrix: Solid

Lab Sample ID: 890-5025-3

Lab Sample ID: 890-5025-4

Matrix: Solid

Client: TRC Solutions, Inc.

Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Client Sample ID: SB-4 @30'

Date Collected: 08/01/23 14:00 Date Received: 08/02/23 14:25

Sample Depth: 30

Method: SW846 8015 NM - Die	sel Range (Organics ([ORO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			08/09/23 18:21	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *-	50.4	mg/Kg		08/08/23 15:08	08/09/23 12:21	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/08/23 15:08	08/09/23 12:21	1
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/08/23 15:08	08/09/23 12:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130			08/08/23 15:08	08/09/23 12:21	1
o-Terphenyl (Surr)	91		70 - 130			08/08/23 15:08	08/09/23 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	33.5	5.02	mg/Kg			08/07/23 22:00	1		

Client Sample ID: SB-4 @35' Date Collected: 08/01/23 14:25

Date Received: 08/02/23 14:25

Sample Depth: 35

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000992	U	0.000992	mg/Kg		08/07/23 10:13	08/07/23 14:48	1
Toluene	< 0.00496	U	0.00496	mg/Kg		08/07/23 10:13	08/07/23 14:48	1
Ethylbenzene	<0.000992	U	0.000992	mg/Kg		08/07/23 10:13	08/07/23 14:48	1
m,p-Xylenes	<0.00198	U	0.00198	mg/Kg		08/07/23 10:13	08/07/23 14:48	1
o-Xylene	<0.000992	U	0.000992	mg/Kg		08/07/23 10:13	08/07/23 14:48	1
Xylenes, Total	<0.00198	U	0.00198	mg/Kg		08/07/23 10:13	08/07/23 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		56 - 150			08/07/23 10:13	08/07/23 14:48	1
4-Bromofluorobenzene (Surr)	115		68 ₋ 152			08/07/23 10:13	08/07/23 14:48	1

١	Surroyale	∕∞Recovery	Quanner Linn	ıs	Frepareu	Allalyzeu	DII Fac	
	1,2-Dichloroethane-d4 (Surr)	87	56 - 1	150	08/07/23 10:13	08/07/23 14:48	1	
	4-Bromofluorobenzene (Surr)	115	68 - 1	152	08/07/23 10:13	08/07/23 14:48	1	
	Dibromofluoromethane (Surr)	99	53 - 1	142	08/07/23 10:13	08/07/23 14:48	1	
	Toluene-d8 (Surr)	102	70 - 1	130	08/07/23 10:13	08/07/23 14:48	1	

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198	mg/Kg	_		08/08/23 17:21	1

Method: SW846 8015 NM - Die	sel Range (Organics (D	ORO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			08/09/23 18:21	1

Method: SW846 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		08/08/23 15:08	08/09/23 12:44	1	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		08/08/23 15:08	08/09/23 12:44	1	

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Matrix: Solid

Lab Sample ID: 890-5025-4

08/08/23 15:08 08/09/23 12:44

Client: TRC Solutions, Inc. Job ID: 890-5025-1

Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Client Sample ID: SB-4 @35' Date Collected: 08/01/23 14:25

Date Received: 08/02/23 14:25

Sample Depth: 35 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg	08/08/23 15:08	08/09/23 12:44	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	90		70 - 130		08/08/23 15:08	08/09/23 12:44	1

Method: EPA 300.0 - Anions, I	on Chromato	ography -	Soluble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9		5.05	mg/Kg			08/07/23 22:07	1

70 - 130

Lab Sample ID: 890-5025-5 Client Sample ID: SB-4 @40' Date Collected: 08/01/23 14:30

Date Received: 08/02/23 14:25

Sample Depth: 40

o-Terphenyl (Surr)

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0505	U	0.0505	mg/Kg		08/07/23 10:13	08/07/23 12:44	50
Toluene	<0.253	U	0.253	mg/Kg		08/07/23 10:13	08/07/23 12:44	50
Ethylbenzene	<0.0505	U	0.0505	mg/Kg		08/07/23 10:13	08/07/23 12:44	50
m,p-Xylenes	<0.101	U	0.101	mg/Kg		08/07/23 10:13	08/07/23 12:44	50
o-Xylene	<0.0505	U	0.0505	mg/Kg		08/07/23 10:13	08/07/23 12:44	50
Xylenes, Total	<0.101	U	0.101	mg/Kg		08/07/23 10:13	08/07/23 12:44	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		56 - 150	08/07/23 10:13	08/07/23 12:44	50
4-Bromofluorobenzene (Surr)	109		68 - 152	08/07/23 10:13	08/07/23 12:44	50
Dibromofluoromethane (Surr)	97		53 - 142	08/07/23 10:13	08/07/23 12:44	50
Toluene-d8 (Surr)	104		70 - 130	08/07/23 10:13	08/07/23 12:44	50

Method: TAL SOP Total BTEX	- Total BTEX	(Calculation	on					
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.101	U	0.101	mg/Kg			08/08/23 17:21	1

Method: SW846 8015 NM - Die	sel Range (Organics (DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2	mg/Kg			08/09/23 18:21	1

Total TPH	<50.2	U	50.2	mg/Kg			08/09/23 18:21	1
Method: SW846 8015B NM - D	_	_			_			
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *-	50.2	mg/Kg		08/08/23 15:08	08/09/23 13:08	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2	mg/Kg		08/08/23 15:08	08/09/23 13:08	1
Oll Range Organics (Over C28-C36)	<50.2	U	50.2	mg/Kg		08/08/23 15:08	08/09/23 13:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			08/08/23 15:08	08/09/23 13:08	

70 - 130

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08/08/23 15:08 08/09/23 13:08

o-Terphenyl (Surr)

Job ID: 890-5025-1

Client: TRC Solutions, Inc.
Project/Site: Hobbs Station T5202

SDG: Hobbs Station

Client Sample ID: SB-4 @40'

Lab Sample ID: 890-5025-5

Matrix: Solid

Date Collected: 08/01/23 14:30 Date Received: 08/02/23 14:25

Sample Depth: 40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	48.7		5.04	mg/Kg			08/07/23 22:28	1		

Client Sample ID: DUP-1 Lab Sample ID: 890-5025-10

Date Collected: 08/01/23 00:00 Matrix: Solid

Date Received: 08/02/23 14:25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996	mg/Kg		08/07/23 10:13	08/07/23 14:15	1
Toluene	<0.00498	U	0.00498	mg/Kg		08/07/23 10:13	08/07/23 14:15	1
Ethylbenzene	<0.000996	U	0.000996	mg/Kg		08/07/23 10:13	08/07/23 14:15	1
m,p-Xylenes	<0.00199	U	0.00199	mg/Kg		08/07/23 10:13	08/07/23 14:15	1
o-Xylene	<0.000996	U	0.000996	mg/Kg		08/07/23 10:13	08/07/23 14:15	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		08/07/23 10:13	08/07/23 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		56 - 150			08/07/23 10:13	08/07/23 14:15	1
4-Bromofluorobenzene (Surr)	112		68 - 152			08/07/23 10:13	08/07/23 14:15	1
Dibromofluoromethane (Surr)	99		53 - 142			08/07/23 10:13	08/07/23 14:15	1
Toluene-d8 (Surr)	103		70 - 130			08/07/23 10:13	08/07/23 14:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total BTEX	<0.00199	U	0.00199	mg/Kg			08/08/23 17:21	1		
_ Г <u>-</u>										

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	<49.6	U	49.6	mg/Kg			08/09/23 18:21	1

- Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)				
Analyte	Result	Qualifier	RL	Unit	D Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *-	49.6	mg/Kg	08/08/23 15:08	08/09/23 13:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	mg/Kg	08/08/23 15:08	08/09/23 13:32	1
Oll Range Organics (Over C28-C36)	<49.6	U	49.6	mg/Kg	08/08/23 15:08	08/09/23 13:32	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	87		70 - 130		08/08/23 15:08	08/09/23 13:32	1

Method: EPA 300.0 - Anions, Id							
Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8	5.00	mg/Kg			08/07/23 22:35	1

70 - 130

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08/08/23 15:08 08/09/23 13:32

o-Terphenyl (Surr)

Client Sample Results

Client: TRC Solutions, Inc.

Job ID: 890-5025-1
Project/Site: Hobbs Station T5202

SDG: Hobbs Station

Client Sample ID: TB-08-02-23-01

Date Collected: 08/01/23 00:00 Date Received: 08/02/23 14:25 Lab Sample ID: 890-5025-11

Matrix: Water

Method: SW846 8260C - Vo	latile Organic	Compound	ds by GC/MS					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/L			08/07/23 13:38	1
Toluene	<0.00100	U	0.00100	mg/L			08/07/23 13:38	1
Ethylbenzene	<0.00100	U	0.00100	mg/L			08/07/23 13:38	1
m,p-Xylenes	<0.0100	U	0.0100	mg/L			08/07/23 13:38	1
o-Xylene	<0.00100	U	0.00100	mg/L			08/07/23 13:38	1
Xylenes, Total	<0.0100	U	0.0100	mg/L			08/07/23 13:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate 1,2-Dichloroethane-d4 (Surr)	%Recovery 91	Qualifier	Limits 63 - 144			Prepared	Analyzed 08/07/23 13:38	Dil Fac
		Qualifier				Prepared		Dil Fac 1 1
1,2-Dichloroethane-d4 (Surr)	91	Qualifier	63 - 144			Prepared	08/07/23 13:38	1 1 1
1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	91 124	Qualifier	63 - 144 74 - 124			Prepared	08/07/23 13:38 08/07/23 13:38	Dil Fac 1 1 1 1
1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	91 124 106 104		63 - 144 74 - 124 75 - 131 80 - 120			Prepared	08/07/23 13:38 08/07/23 13:38 08/07/23 13:38	1 1 1
1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr)	91 124 106 104 EX - Total BTE		63 - 144 74 - 124 75 - 131 80 - 120	Unit	D	Prepared Prepared	08/07/23 13:38 08/07/23 13:38 08/07/23 13:38	1 1 1

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Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: Hobbs Station T5202

Job ID: 890-5025-1

SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
830-4031-A-1-D MS	Matrix Spike	94	105	102	98
880-31511-A-3-L MS	Matrix Spike	86	109	100	104
890-5025-1	SB-4 @20'	87	109	100	102
890-5025-2	SB-4 @25'	87	109	99	102
890-5025-3	SB-4 @30'	98	101	90	99
890-5025-4	SB-4 @35'	87	115	99	102
890-5025-5	SB-4 @40'	86	109	97	104
890-5025-10	DUP-1	89	112	99	103
LCS 860-115941/3	Lab Control Sample	97	101	102	96
LCS 860-115944/3	Lab Control Sample	85	111	98	105
LCSD 860-115941/4	Lab Control Sample Dup	104	96	103	96
LCSD 860-115944/4	Lab Control Sample Dup	84	110	98	106
MB 860-115941/9	Method Blank	108	98	102	95
MB 860-115944/7	Method Blank	88	110	99	103

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Rec
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
860-54697-C-22 MS	Matrix Spike	103	100	105	104
890-5025-11	TB-08-02-23-01	91	124	106	104
LCS 860-115989/3	Lab Control Sample	104	100	101	100
LCSD 860-115989/4	Lab Control Sample Dup	103	101	107	101
MB 860-115989/9	Method Blank	93	119	107	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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)				
890-5013-A-1-H MS	Matrix Spike	84	72				
890-5013-A-1-I MSD	Matrix Spike Duplicate	85	72				
890-5025-1	SB-4 @20'	81	82				
890-5025-2	SB-4 @25'	86	91				
890-5025-3	SB-4 @30'	87	91				
890-5025-4	SB-4 @35'	90	92				

Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: Hobbs Station T5202

Job ID: 890-5025-1

SDG: Hobbs Station

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

Matrix: Solid Prep Type: Total/NA

			Percent S	Surrogate Recovery (Acceptance Limits)
		1001	ОТРН1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-5025-5	SB-4 @40'	83	87	
890-5025-10	DUP-1	87	94	
LCS 880-59649/2-A	Lab Control Sample	95	92	
LCSD 880-59649/3-A	Lab Control Sample Dup	86	80	
MB 880-59649/1-A	Method Blank	70	73	
Surrogate Legend				
1CO = 1-Chlorooctane	e (Surr)			
OTPH = o-Terphenyl (Surr)			

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Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 830-4031-A-1-D MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 115941

Client	Sampl	e ID:	Matrix	Spik	e
	_				_

Prep Type: Total/NA Prep Batch: 115747

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.255	U	12.8	11.67		mg/Kg		91	71 - 119	
Toluene	<1.28	U	12.8	11.39		mg/Kg		89	74 - 122	
Ethylbenzene	<0.255	U	12.8	12.09		mg/Kg		95	80 - 123	
m,p-Xylenes	<0.510	U	12.8	12.48		mg/Kg		98	78 - 127	
o-Xylene	<0.255	U	12.8	12.28		mg/Kg		96	79 - 125	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		56 - 150
4-Bromofluorobenzene (Surr)	105		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	98		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 115941

Lab Sample ID: MB 860-115941/9

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			08/07/23 12:35	1
Toluene	<0.00500	U	0.00500	mg/Kg			08/07/23 12:35	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			08/07/23 12:35	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			08/07/23 12:35	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			08/07/23 12:35	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			08/07/23 12:35	1
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MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		56 - 150		08/07/23 12:35	1
4-Bromofluorobenzene (Surr)	98		68 - 152		08/07/23 12:35	1
Dibromofluoromethane (Surr)	102		53 - 142		08/07/23 12:35	1
Toluene-d8 (Surr)	95		70 - 130		08/07/23 12:35	1

Lab Sample ID: LCS 860-115941/3

Matrix: Solid

Analysis Batch: 115941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS LCS			%Rec	
Analyte	Added	Result Qua	lifier Unit	D %Rec	Limits	
Benzene	0.0500	0.05331	mg/Kg	107	66 - 142	
Toluene	0.0500	0.05023	mg/Kg	100	74 - 130	
Ethylbenzene	0.0500	0.05448	mg/Kg	109	80 - 130	
m,p-Xylenes	0.0500	0.05571	mg/Kg	111	78 - 130	
o-Xylene	0.0500	0.05500	mg/Kg	110	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		56 - 150
4-Bromofluorobenzene (Surr)	101		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	96		70 - 130

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 860-115941/4

Matrix: Solid

Analysis Batch: 115941

Client Sample	ID: Lab	Contro	I Sam	ple Dup
		Prep 1	Type:	Total/NA

LCSD LCSD RPD %Rec Unit D %Rec Limits RPD Limit mg/Kg 102 66 - 142 25 mg/Kg 97 74 - 130 3 25 mg/Kg 105 80 - 130 25

Analyte Added Result Qualifier Benzene 0.0500 0.05105 Toluene 0.0500 0.04868 Ethylbenzene 0.0500 0.05239 m,p-Xylenes 0.0500 0.05252 mg/Kg 105 78 - 130 6 25 o-Xylene 0.0500 0.05362 25 mg/Kg 107 79 - 130

Spike

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		56 - 150
4-Bromofluorobenzene (Surr)	96		68 - 152
Dibromofluoromethane (Surr)	103		53 - 142
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: MB 860-115944/7

Matrix: Solid

Analysis Batch: 115944

Client Sample ID: Method Blank

Prep Type: Total/NA

	IVID	IAID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			08/07/23 10:49	1
Toluene	<0.00500	U	0.00500	mg/Kg			08/07/23 10:49	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			08/07/23 10:49	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			08/07/23 10:49	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			08/07/23 10:49	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			08/07/23 10:49	1

MB MB

MD MD

Surrogate	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88	56 - 150		08/07/23 10:49	1
4-Bromofluorobenzene (Surr)	110	68 - 152		08/07/23 10:49	1
Dibromofluoromethane (Surr)	99	53 - 142		08/07/23 10:49	1
Toluene-d8 (Surr)	103	70 - 130		08/07/23 10:49	1

Lab Sample ID: LCS 860-115944/3

Matrix: Solid

Analysis Batch: 115944

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.05874		mg/Kg		117	66 - 142	
Toluene	0.0500	0.05467		mg/Kg		109	74 - 130	
Ethylbenzene	0.0500	0.05228		mg/Kg		105	80 - 130	
m,p-Xylenes	0.0500	0.05082		mg/Kg		102	78 - 130	
o-Xylene	0.0500	0.05154		mg/Kg		103	79 - 130	

LCS	LCS
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Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		56 - 150
4-Bromofluorobenzene (Surr)	111		68 - 152
Dibromofluoromethane (Surr)	98		53 - 142
Toluene-d8 (Surr)	105		70 - 130

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab \$

Matri

Analysis Batch: 115944

Sample ID: LCSD 860-115944/4	Client Sample ID: Lab Control Sample Dup
rix: Solid	Prep Type: Total/NA

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04609		mg/Kg		92	66 - 142	24	25
Toluene	0.0500	0.04301		mg/Kg		86	74 - 130	24	25
Ethylbenzene	0.0500	0.04106		mg/Kg		82	80 - 130	24	25
m,p-Xylenes	0.0500	0.03961		mg/Kg		79	78 - 130	25	25
o-Xylene	0.0500	0.04108		mg/Kg		82	79 - 130	23	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	84		56 - 150
4-Bromofluorobenzene (Surr)	110		68 - 152
Dibromofluoromethane (Surr)	98		53 - 142
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: 880-31511-A-3-L MS

Matrix: Solid

Analysis Batch: 115944

Client Sample ID: Matrix Spike Prep Type: Total/NA **Prep Batch: 115969**

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.000992	U	0.0497	0.04858		mg/Kg		98	71 - 119	
Toluene	< 0.00496	U	0.0497	0.04560		mg/Kg		92	74 - 122	
Ethylbenzene	<0.000992	U	0.0497	0.04378		mg/Kg		88	80 - 123	
m,p-Xylenes	<0.00198	U	0.0497	0.04300		mg/Kg		87	78 - 127	
o-Xylene	<0.000992	U	0.0497	0.04386		mg/Kg		88	79 - 125	

	IVIS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		56 - 150
4-Bromofluorobenzene (Surr)	109		68 - 152
Dibromofluoromethane (Surr)	100		53 - 142
Toluene-d8 (Surr)	104		70 130

Client Sample ID: Method Blank Lab Sample ID: MB 860-115989/9 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 115989

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/L			08/07/23 13:18	1
Toluene	<0.00100	U	0.00100	mg/L			08/07/23 13:18	1
Ethylbenzene	<0.00100	U	0.00100	mg/L			08/07/23 13:18	1
m,p-Xylenes	<0.0100	U	0.0100	mg/L			08/07/23 13:18	1
o-Xylene	<0.00100	U	0.00100	mg/L			08/07/23 13:18	1
Xylenes, Total	<0.0100	U	0.0100	mg/L			08/07/23 13:18	1

		MB	MB				
	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1,2-Dichloroethane-d4 (Surr)	93		63 - 144		08/07/23 13:18	1
-	4-Bromofluorobenzene (Surr)	119		74 - 124		08/07/23 13:18	1
	Dibromofluoromethane (Surr)	107		75 - 131		08/07/23 13:18	1
L	Toluene-d8 (Surr)	103		80 - 120		08/07/23 13:18	1

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-115989/3

Matrix: Water

Analysis Batch: 115989

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

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.0500 0.04863 mg/L 97 75 - 125 Toluene 0.0500 0.04939 mg/L 99 70 - 130 Ethylbenzene 0.04764 75 - 125 0.0500 mg/L 95 m,p-Xylenes 0.0500 0.04743 95 75 - 125 mg/L 0.0500 o-Xylene 0.04808 mg/L 96 75 - 125

LCS LCS %Recovery Qualifier Surrogate Limits 1,2-Dichloroethane-d4 (Surr) 104 63 - 144 4-Bromofluorobenzene (Surr) 100 74 - 124 Dibromofluoromethane (Surr) 101 75 - 131 Toluene-d8 (Surr) 100 80 - 120

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 860-115989/4 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 115989

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.05147		mg/L		103	75 - 125	6	25
Toluene	0.0500	0.05180		mg/L		104	70 - 130	5	25
Ethylbenzene	0.0500	0.04949		mg/L		99	75 - 125	4	25
m,p-Xylenes	0.0500	0.04982		mg/L		100	75 - 125	5	25
o-Xylene	0.0500	0.04942		mg/L		99	75 - 125	3	25

LUSD	LUSD	
%Recovery	Qualifier	Limits
103	-	63 - 144
101		74 - 124
107		75 - 131
101		80 - 120
	%Recovery 103 101 107	101 107

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Lab Sample ID: 860-54697-C-22 MS

Matrix: Water

Analysis Batch: 115989

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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00100	U	0.0500	0.05224		mg/L		104	66 - 142	
Toluene	<0.00100	U	0.0500	0.05359		mg/L		107	59 - 139	
Ethylbenzene	<0.00100	U	0.0500	0.05163		mg/L		103	75 - 125	
m,p-Xylenes	<0.0100	U	0.0500	0.05181		mg/L		104	75 - 125	
o-Xylene	<0.00100	U	0.0500	0.05076		mg/L		102	75 - 125	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		63 - 144
4-Bromofluorobenzene (Surr)	100		74 - 124
Dibromofluoromethane (Surr)	105		75 - 131
Toluene-d8 (Surr)	104		80 - 120

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202

SDG: Hobbs Station

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

70

73

Lab Sample ID: MB 880-59649/1-A

Lab Sample ID: LCS 880-59649/2-A

Matrix: Solid

1-Chlorooctane (Surr)

o-Terphenyl (Surr)

Matrix: Solid

Analysis Batch: 59688

Analysis Batch: 59688

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 59649

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/08/23 15:08	08/09/23 07:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/08/23 15:08	08/09/23 07:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/08/23 15:08	08/09/23 07:43	1
	MB	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

Client Sample ID: Lab Control Sample

08/08/23 15:08 08/09/23 07:43

08/08/23 15:08 08/09/23 07:43

Prep Type: Total/NA

Prep Batch: 59649

LCS LCS Spike %Rec Added Result Qualifier Limits Analyte Unit %Rec 1000 682.9 68 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 846.5 mg/Kg 85 70 - 130C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 95 70 - 130 70 - 130 o-Terphenyl (Surr) 92

Lab Sample ID: LCSD 880-59649/3-A

Matrix: Solid

Analysis Batch: 59688

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

Prep Batch: 59649

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	685.2	*_	mg/Kg	<u> </u>	69	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	808.7		mg/Kg		81	70 - 130	5	20

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 70 - 130 86 o-Terphenyl (Surr) 80 70 - 130

Lab Sample ID: 890-5013-A-1-H MS **Client Sample ID: Matrix Spike Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 59688

Prep Batch: 59649 MS MS %Rec Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit Limits Gasoline Range Organics <50.3 U *mg/Kg 993 730.9 74 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 195 993 1030 84 70 - 130 mg/Kg C10-C28)

Prep Batch: 59649

Client Sample ID: Matrix Spike Duplicate

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

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

Lab Sample ID: 890-5013-A-1-H MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 59688

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	84		70 - 130
o-Terphenyl (Surr)	72		70 - 130

Lab Sample ID: 890-5013-A-1-I MSD

Analysis Batch: 59688									Prep ly Prep E	pe: 10t Batch: 8	
_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.3	U *-	993	753.7		mg/Kg		76	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	195		993	1046		mg/Kg		86	70 - 130	1	20

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane (Surr) 85 70 - 130 70 - 130 o-Terphenyl (Surr) 72

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-59300/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59516

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/08/23 14:06	1

Lab Sample ID: LCS 880-59300/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59516

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 	250	244.0		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-59300/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59516

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	241.1		mg/Kg		96	90 - 110	1	20

Lab Sample ID: 890-5025-1 MS Client Sample ID: SB-4 @20' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59516

7 maryoto Batom 60010	Sample Sam	mple Spike	MS	MS				%Rec
Analyte	Result Qua	alifier Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	40.1	252	287.9		mg/Kg		98	90 - 110

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202

SDG: Hobbs Station

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-5025-1 MSD Client Sample ID: SB-4 @20' **Matrix: Solid Prep Type: Soluble Analysis Batch: 59516**

MSD MSD RPD Sample Sample Spike %Rec Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Analyte D 252 Chloride 40.1 285.5 mg/Kg 97 90 - 110 20

Lab Sample ID: MB 880-59533/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 59608

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <5.00 U 5.00 08/07/23 20:06 Chloride mg/Kg

Lab Sample ID: LCS 880-59533/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble Analysis Batch: 59608**

Spike LCS LCS %Rec Added Result Qualifier Limits **Analyte** Unit D %Rec Chloride 250 259.9 104 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-59533/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59608

Spike LCSD LCSD %Rec **RPD** Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 261.8 mg/Kg 105 90 - 110

Lab Sample ID: 890-5025-4 MS Client Sample ID: SB-4 @35' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59608

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Unit %Rec Limits Result Qualifier Chloride 49.9 253 298.9 99 90 - 110 mg/Kg

Lab Sample ID: 890-5025-4 MSD Client Sample ID: SB-4 @35' **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 59608

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Qualifier %Rec Limits **RPD** Limit Result Unit D 49.9 253 298.9 mg/Kg Chloride 99 90 - 110 20

Client: TRC Solutions, Inc.

Job ID: 890-5025-1

Project/Site: Hobbs Station T5202

SDG: Hobbs Station

GC/MS VOA

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Prep	Batch	: 115747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
830-4031-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 115941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-3	SB-4 @30'	Total/NA	Solid	8260C	115969
MB 860-115941/9	Method Blank	Total/NA	Solid	8260C	
LCS 860-115941/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-115941/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
830-4031-A-1-D MS	Matrix Spike	Total/NA	Solid	8260C	115747

Analysis Batch: 115944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Total/NA	Solid	8260C	115969
890-5025-2	SB-4 @25'	Total/NA	Solid	8260C	115969
890-5025-4	SB-4 @35'	Total/NA	Solid	8260C	115969
890-5025-5	SB-4 @40'	Total/NA	Solid	8260C	115969
890-5025-10	DUP-1	Total/NA	Solid	8260C	115969
MB 860-115944/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-115944/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-115944/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
880-31511-A-3-L MS	Matrix Spike	Total/NA	Solid	8260C	115969

Prep Batch: 115969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Total/NA	Solid	5035	
890-5025-2	SB-4 @25'	Total/NA	Solid	5035	
890-5025-3	SB-4 @30'	Total/NA	Solid	5035	
890-5025-4	SB-4 @35'	Total/NA	Solid	5035	
890-5025-5	SB-4 @40'	Total/NA	Solid	5035	
890-5025-10	DUP-1	Total/NA	Solid	5035	
880-31511-A-3-I MS	Matrix Snike	Total/NA	Solid	5035	

Analysis Batch: 115989

Lab Sample ID 890-5025-11	Client Sample ID TB-08-02-23-01	Prep Type Total/NA	Matrix Water	Method Prep Batc 8260C	<u> h</u>
MB 860-115989/9	Method Blank	Total/NA	Water	8260C	
LCS 860-115989/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 860-115989/4	Lab Control Sample Dup	Total/NA	Water	8260C	
860-54697-C-22 MS	Matrix Spike	Total/NA	Water	8260C	

Analysis Batch: 116261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-11	TB-08-02-23-01	Total/NA	Water	Total BTEX	

Analysis Batch: 116299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Total/NA	Solid	Total BTEX	
890-5025-2	SB-4 @25'	Total/NA	Solid	Total BTEX	
890-5025-3	SB-4 @30'	Total/NA	Solid	Total BTEX	
890-5025-4	SB-4 @35'	Total/NA	Solid	Total BTEX	
890-5025-5	SB-4 @40'	Total/NA	Solid	Total BTFX	

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Client: TRC Solutions, Inc.

Job ID: 890-5025-1

Project/Site: Hobbs Station T5202

SDG: Hobbs Station

GC/MS VOA (Continued)

Analysis Batch: 116299 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-10	DUP-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 59649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Total/NA	Solid	8015NM Prep	
890-5025-2	SB-4 @25'	Total/NA	Solid	8015NM Prep	
890-5025-3	SB-4 @30'	Total/NA	Solid	8015NM Prep	
890-5025-4	SB-4 @35'	Total/NA	Solid	8015NM Prep	
890-5025-5	SB-4 @40'	Total/NA	Solid	8015NM Prep	
890-5025-10	DUP-1	Total/NA	Solid	8015NM Prep	
MB 880-59649/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-59649/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-59649/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5013-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5013-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 59688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Total/NA	Solid	8015B NM	59649
890-5025-2	SB-4 @25'	Total/NA	Solid	8015B NM	59649
890-5025-3	SB-4 @30'	Total/NA	Solid	8015B NM	59649
890-5025-4	SB-4 @35'	Total/NA	Solid	8015B NM	59649
890-5025-5	SB-4 @40'	Total/NA	Solid	8015B NM	59649
890-5025-10	DUP-1	Total/NA	Solid	8015B NM	59649
MB 880-59649/1-A	Method Blank	Total/NA	Solid	8015B NM	59649
LCS 880-59649/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	59649
LCSD 880-59649/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	59649
890-5013-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	59649
890-5013-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	59649

Analysis Batch: 59790

Lab Sample ID 890-5025-1	Client Sample ID SB-4 @20'	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-5025-2	SB-4 @25'	Total/NA	Solid	8015 NM	
890-5025-3	SB-4 @30'	Total/NA	Solid	8015 NM	
890-5025-4	SB-4 @35'	Total/NA	Solid	8015 NM	
890-5025-5	SB-4 @40'	Total/NA	Solid	8015 NM	
890-5025-10	DUP-1	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 59300

Lab Sample ID MB 880-59300/1-A	Client Sample ID Method Blank	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
LCS 880-59300/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59300/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5025-1 MS	SB-4 @20'	Soluble	Solid	DI Leach	
890-5025-1 MSD	SB-4 @20'	Soluble	Solid	DI Leach	

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Client: TRC Solutions, Inc.

Job ID: 890-5025-1

Project/Site: Hobbs Station T5202

SDG: Hobbs Station

HPLC/IC

Analysis Batch: 59516

Lab Sample ID MB 880-59300/1-A	Client Sample ID Method Blank	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 59300
LCS 880-59300/2-A	Lab Control Sample	Soluble	Solid	300.0	59300
LCSD 880-59300/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59300
890-5025-1 MS	SB-4 @20'	Soluble	Solid	300.0	59300
890-5025-1 MSD	SB-4 @20'	Soluble	Solid	300.0	59300

Leach Batch: 59533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Soluble	Solid	DI Leach	
890-5025-2	SB-4 @25'	Soluble	Solid	DI Leach	
890-5025-3	SB-4 @30'	Soluble	Solid	DI Leach	
890-5025-4	SB-4 @35'	Soluble	Solid	DI Leach	
890-5025-5	SB-4 @40'	Soluble	Solid	DI Leach	
890-5025-10	DUP-1	Soluble	Solid	DI Leach	
MB 880-59533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-59533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-59533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5025-4 MS	SB-4 @35'	Soluble	Solid	DI Leach	
890-5025-4 MSD	SB-4 @35'	Soluble	Solid	DI Leach	

Analysis Batch: 59608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5025-1	SB-4 @20'	Soluble	Solid	300.0	59533
890-5025-2	SB-4 @25'	Soluble	Solid	300.0	59533
890-5025-3	SB-4 @30'	Soluble	Solid	300.0	59533
890-5025-4	SB-4 @35'	Soluble	Solid	300.0	59533
890-5025-5	SB-4 @40'	Soluble	Solid	300.0	59533
890-5025-10	DUP-1	Soluble	Solid	300.0	59533
MB 880-59533/1-A	Method Blank	Soluble	Solid	300.0	59533
LCS 880-59533/2-A	Lab Control Sample	Soluble	Solid	300.0	59533
LCSD 880-59533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	59533
890-5025-4 MS	SB-4 @35'	Soluble	Solid	300.0	59533
890-5025-4 MSD	SB-4 @35'	Soluble	Solid	300.0	59533

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Client: TRC Solutions, Inc. Project/Site: Hobbs Station T5202

Lab Sample ID: 890-5025-1

Matrix: Solid

Date Collected: 08/01/23 13:50 Date Received: 08/02/23 14:25

Client Sample ID: SB-4 @20'

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	115969	08/07/23 10:13	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	115944	08/07/23 13:30	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			116299	08/08/23 17:21	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			59790	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 11:34	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		1			59608	08/07/23 21:45	CH	EET MID

Client Sample ID: SB-4 @25'

Date Collected: 08/01/23 13:55

Date Received: 08/02/23 14:25

Lab Sample ID: 890-5025-2

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	115969	08/07/23 10:13	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	115944	08/07/23 13:53	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			116299	08/08/23 17:21	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			59790	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 11:58	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		1			59608	08/07/23 21:53	CH	EET MID

Client Sample ID: SB-4 @30' Lab Sample ID: 890-5025-3

Date Collected: 08/01/23 14:00 Date Received: 08/02/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	115969	08/07/23 10:13	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	115941	08/07/23 13:59	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			116299	08/08/23 17:21	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			59790	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 12:21	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		1			59608	08/07/23 22:00	CH	EET MID

Client Sample ID: SB-4 @35'

Date Collected: 08/01/23 14:25

Lab Sample ID: 890-5025-4

Matrix: Solid

Date Received: 08/02/23 14:25

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	115969	08/07/23 10:13	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	115944	08/07/23 14:48	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			116299	08/08/23 17:21	KLV	EET HOU

Eurofins Carlsbad

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Client Sample ID: SB-4 @35' Date Collected: 08/01/23 14:25

Date Received: 08/02/23 14:25

Lab Sample ID: 890-5025-4

Matrix: Solid

Matrix: Solid

Batch Dil Batch Initial Final Batch Prepared Method or Analyzed **Prep Type** Type Run **Factor Amount** Amount Number **Analyst** Lab Total/NA 8015 NM 59790 08/09/23 18:21 AJ Analysis **EET MID** Total/NA Prep 8015NM Prep 10.05 g 10 mL 59649 08/08/23 15:08 TKC **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 59688 08/09/23 12:44 AJ **EET MID** 08/07/23 12:00 CH Soluble Leach DI Leach 4.95 g 50 mL 59533 **EET MID** Soluble 300.0 59608 08/07/23 22:07 CH Analysis 1 **EET MID**

Client Sample ID: SB-4 @40' Lab Sample ID: 890-5025-5

Date Collected: 08/01/23 14:30 Date Received: 08/02/23 14:25

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	115969	08/07/23 10:13	MTMG	EET HOU
Total/NA	Analysis	8260C		50	5 mL	5 mL	115944	08/07/23 12:44	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			116299	08/08/23 17:21	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			59790	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 13:08	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	59533	08/07/23 12:00	СН	EET MID
Soluble	Analysis	300.0		1			59608	08/07/23 22:28	CH	EET MID

Client Sample ID: DUP-1 Lab Sample ID: 890-5025-10 Date Collected: 08/01/23 00:00 **Matrix: Solid**

Date Received: 08/02/23 14:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	115969	08/07/23 10:13	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	115944	08/07/23 14:15	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			116299	08/08/23 17:21	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			59790	08/09/23 18:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	59649	08/08/23 15:08	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	59688	08/09/23 13:32	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	59533	08/07/23 12:00	CH	EET MID
Soluble	Analysis	300.0		1			59608	08/07/23 22:35	CH	EET MID

Client Sample ID: TB-08-02-23-01 Lab Sample ID: 890-5025-11

Date Collected: 08/01/23 00:00 **Matrix: Water** Date Received: 08/02/23 14:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab	
Total/NA	Analysis	8260C		1	5 mL	5 mL	115989	08/07/23 13:38	JBS	EET HOU	
Total/NA	Analysis	Total BTEX		1			116261	08/08/23 14:26	JBS	EET HOU	

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 890-5025-1 Project/Site: Hobbs Station T5202 SDG: Hobbs Station

Laboratory: Eurofins Houston

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

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704215-23-50	06-30-24
The following analytes	e are included in this ren	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	•	ort, but the laboratory is r	lot certified by the governing authority.	This list may include analytes for which
• •	•	Matrix	Analyte	This list may include analytes for which
the agency does not o	offer certification.	,		This list may include analytes for which

Laboratory: Eurofins Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-23-26	06-30-24
The following analyte	es are included in this repo	rt but the laboratory is r	not certified by the governing authority	This list may include analytes for wh
The following analyte the agency does not	•	rt, but the laboratory is r	not certified by the governing authority.	This list may include analytes for wh
,	•	rt, but the laboratory is r Matrix	not certified by the governing authority. Analyte	This list may include analytes for wh

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Method Summary

Client: TRC Solutions, Inc.

Project/Site: Hobbs Station T5202

Job ID: 890-5025-1

SDG: Hobbs Station

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5030C	Purge and Trap	SW846	EET HOU
5035	Closed System Purge and Trap	SW846	EET HOU
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: TRC Solutions, Inc.

Project/Site: Hobbs Station T5202

Job ID: 890-5025-1

SDG: Hobbs Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5025-1	SB-4 @20'	Solid	08/01/23 13:50	08/02/23 14:25	20
890-5025-2	SB-4 @25'	Solid	08/01/23 13:55	08/02/23 14:25	25
890-5025-3	SB-4 @30'	Solid	08/01/23 14:00	08/02/23 14:25	30
890-5025-4	SB-4 @35'	Solid	08/01/23 14:25	08/02/23 14:25	35
890-5025-5	SB-4 @40'	Solid	08/01/23 14:30	08/02/23 14:25	40
890-5025-10	DUP-1	Solid	08/01/23 00:00	08/02/23 14:25	
890-5025-11	TB-08-02-23-01	Water	08/01/23 00:00	08/02/23 14:25	

Received by OCD: 9/26/2023 3:37:34 PM

8/9/2023

Revised Date: 08/25/2020 Rev. 2020.2

Environment Testing Xenco

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 Or	der No:		

www.xenco.com

Project Manager:	Jare	d Ito	ttei	Bill to: (if diff-	erent)										Woi	rk Order C	.omments		
Company Name:	TRL	CONDI	nases	Company Na	ame:								Program:	UST/	PST P	RP Bro	ownfields [RRC	Superfund
Address:	505	Huntl	and Orth	Address:		11_			1				State of F	-					
City, State ZIP:	Austin	,TX	78752	City, State 7	PEMON	V 6	9:1	1 bei	10	tree	company	1+sc	&eporting	g: Level	II Lev	vel III 🗌	PST/UST	TRRP	Level IV
Phone:	st2 43	2-238-	3003 Email:	ist	offe	16	} t	120	201	rpa	nies.e	04	Deliverab	oles: 1	EDD 🗌	ADa	PT 🗆	Other:	Level IV
Project Name:	Hobbs 5	to tion	TSZEZ Tum	Around		1					ANALYSIS I	REQUE	ST				Pre	servativ	ve Codes
Project Number:	52883	7		Rush	Pres. Code		T										None: N	0	DI Water: H ₂ O
	Hobbs Stat	ion To	Due Date:				3-		3								Cool: Coo	ol	MeOH: Me
Sampler's Name:	Robert	Niela	TAT starts the	day received b			MR6)		(300,0)				1			l Heen and	Incl. HC		HNO 3: HN
O #:			the lab, if rec	eived by 4:30pr		2			30	-			1 /				1/11/11/11/11		⁻H:Na
SAMPLE RECEIPT	Temp BI	ank: Ye:	No Wet Ice:	Yes No	Parameters	8790	(GROIDRO)	16		W			1 //						
Samples Received Inta	ct: Yes	lo Ther	mometer ID:	moo-	ara me	28	27	14	00				89	0-502E					
Cooler Custody Seals:	Yes No	N/A Corr	ection Factor:	.9.9		1	Ro	10	4	P1			_	0.0025	Chain of	Custody			
ample Custody Seals:	Yes No	N/A Tem	perature Reading:	2.4		X	9	4	0	0				1	1 1				SARC
otal Containers:		Core	rected Temperature:	19.9		$\neg \wp$	7	45	7	芝							144-		SAPC
Sample Identif	fication	Matrix	Date Time npled Sampled	Depth	rab/ # of omp Conf	6.0	497	1.00	0	*							Sar	mple Co	omments
5B-4@	20'	5 08	10123 1350	20/ (5 1	X	X		X										
5 B-4 Q	25'	5	1355	25'		X	X		X										
SB-4 8,	30'	5	1400	30'		X	1		X										
58-4 8	35'	5	1425	35'		X	X		X										
5B-4 (d)	40'	<	1430	40'		X	X		X										
5B-4 @	42.5	3	1 1850	425		X	X	-	X	×							* He	0 188	k
58-21 0	45'	5	1630	45'		X	X		X	2									
5B4B47	7.5	5	1635	47.5		X	X		X	X							V	V	
513.4115	0	5 V	1 1640	50'	1	X	X		X	\times							* H	0161	E for initia
DUP-	1	508	0123 0000	- 0	01	X	X		X										
Total 200.7 / 6010	200.8 / 60	120.	8RCRA 13PF	PM Texas 1	11 Al Si	o As F	Ba Be	B Cd	l Ca (îr Co	Cu Fe Ph	o Ma	Mn Mo	Ni K S	e Ag Si	O ₂ Na S	r Tl Sn U	J V Zn	
Circle Method(s) a				PLP 6010 :													1 / 7470 /		
otice: Signature of this docu service. Eurofins Xenco wil Eurofins Xenco. A minimur	be liable only for the co	ost of samples and	d shall not assume any response	onsibility for any k	osses or expe	nses incu	rred by th	he client i	f such los	ses are di	ue to circumstar	nces beyo	nd the contro	1					
Relinquished by:	(Signature)	· Rec	eived by: (Signatur	e)		Date	/Time		Re	linquis	shed by: (Si	gnatur	e)	Rec	eived by:	(Signatuı	re)	Da	ate/Time
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Page 30 of 35

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Environment Testing Xenco

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Work Order No:	
WOIR Older No.	

						Hobbs, I	NM (57	5) 392-	-7550, C	arlsbad, N	M (575)	988-3199				1	www.xen	co.com	Page	of
Project Manager:	Jak	06	Stoll	el	Bill to: (i	if different)				-							Work	Order C	omments	
Company Name:	TRC	(0)	upan	100 5	Compar										rogram:	UST/PS	PRP	Bro	wnfields RRC	Superfund
			land		1		,							1	tate of Pr	oject:				
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Phone:					1 1	710 6	9	-	9 7	120	Smy									
Project Name:			75202		Around							ANA	LYSIS R	REQUEST		1 1			Preservat	ive Codes
Project Number:	328833	0000	, 000	Routine	Rusi	h	Pres. Code				_					\perp			None: NO	DI Water: H₂O
Project Location:	Hobbis:	testion	~T5202	Due Date:															Cool: Cool	MeOH: Me
Sampler's Name:	Robert	NIC	les	TAT starts the					0										HCL: HC	HNO 3: HN
PO #:				the lab, if rec	eived by 4:	:30pm	S	A	0										H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp B	ank:	Yes No	Wet Ice:	Yes	No	Parameters	1	2										H ₃ PO ₄ : HP	
Samples Received In	tact: Yes I	Vo	Thermomete	er ID:			aran	4					1						NaHSO 4: NABIS	
Cooler Custody Seals	s: Yes No	N/A	Correction F	actor:			۵		X	1 1									Na ₂ S ₂ O ₃ : NaSO	
Sample Custody Sea	ls: Yes No	N/A	Temperature	e-Reading:	A			1	W										Zn Acetate+Na	
Total Containers:			Corrected Te	emperature:				d	1										NaOH+Ascorbio	: Acid: SAPC
Sample Ider	ntification	Matrix	Date Sampled	Time Sampled	Depth		# of Cont	1	2										Sample C	Comments
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1089 N Canal St.

Chain of Custody Record

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Carlsbad, NM 88220 Phone: 575-988-3199 Fax: 575-988-3199	`	Onam ·	oi Que	stody	116	CO	ıu						H.						•		Envir	onment Testing
Client Information (Sub Contract Lab)	Sampler Lab PM: Krame						Carrier Tracking						acking	No(s):			COC No: 890-1409.1					
Client Contact: Shipping/Receiving	Phone:				Mail:	. Kra	merí	net e	eurof	โกรเเร	s.com	•		ate of O					Page: Page 1 c	of 2		-
Company:	l				Ac	credit	editations Required (See note): AP Texas						X100			Job #.						
Eurofins Environment Testing South Centr Address:	Due Date Requested:						2 1	exas											890-502 Preserva		des:	
4145 Greenbriar Dr	8/8/2023		_		_	N 190	Analysis Requested Preservation Codes: A HCL M Hexane															
City: Stafford	TAT Requested (d	ays):										i							B NaOH C Zn Ace		N Non O AsN	aO2
State, Zip: TX 77477	1				; i														D Nitric A	Acid	P Na2	SO3
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Hobbs Station T5202 Site:	88000306 SSOW#:				ᆜᇶ	Š	Cale BTEX	Copy,	B.TE	Сор			ĺ					ti S	Other		Z. Othor	(ареспу)
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			Sample	Matrix	P	Perform MS/MSD (Yes or No)	8250C/5035FP	Total_BTEX/(MOD)	8260C/5035FP_Calo BTEX (Hold)	Total_BTEX/ (MOD) Copy Analytes (Hold)								Total Number				
		Sample	Type (C=comp,	(W=water 8=solid,		Шо	C/60;	6	C/50	161	8260C/5030C		- 1					Z				
Sample Identification Client ID (Lab ID)	Sample Date	Time	l'	O=waste/olf, BT=Tissue, A≈A		Ē	8260	ᄚ	8260	To Tab	826	!						17	Sp	ecial ir	structio	ns/Note:
	\rightarrow	> <	Preserva	ation Code:	X	\times	Ì.,,_,	ŝ.,				į						\mathbb{X}		حديث		
SB-4 @20' (890-5025-1)	8/1/23	13:50 Mountain		Solid			Х	х							Ш			1				
SB-4 @25' (890-5025-2)	8/1/23	13:55 Mountain		Solid			Х	х						į				1				
SB-4 @30' (890-5025-3)	8/1/23	14:00 Mountain		Solid			х	Х										্ব				
SB-4 @35' (890-5025-4)	8/1/23	14,25 Mountain		Solid			X	х										1				
SB-4 @40' (890-5025-5)	8/1/23	14.30 Mountain		Solid	\perp	Ш	Х	Х										.1				
SB-4 @ 42.5' (890-5025-6)	8/1/23	14.50 Mountain		Solid					х	х					Ш			1	:			
SB-4 @45' (890-5025-7)	8/1/23	16:30 Mountain		Solid		Ш			Х	х							_	1	lemp: C/F -0.3	. 1	(IR ID	HOU-338
SB-4 @47.5' (890-5025-8)	8/1/23	16:35 Mountain		Solid					Х	х								. 1	Correcte		ip /	.3
SB-4 @50' (890-5025-9)	8/1/23	16:40 Mountain		Solid					Х	х				<u> </u>				1	ì T		<u>-</u> -	••
Note: Since laboratory accreditations are subject to change, Eurofins Environment laboratory does not currently maintain accreditation in the State of Origin listed aboratory does not currently maintain accreditation in the State of Origin listed aboratory.																						
accreditation status should be brought to Eurofins Environment Testing South Cer	itral, LLC attention in	nmediately. If a	natyzed, the s ill requested a	ccreditations	are cur	ment t	o date	e, retu	rn the	signe	d Chair	ofC	ustody a	ttesting	lo said	i compli	ance lo	Eurofi	ins Environm	ient Test	ng South (Central, LLC.
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Custody Seals Intact: Custody Seal No. Δ Yes Δ No							Cooler Temperature(s) °C and Other Remarks:															

Page 31 of 35

1089 N Canal St. Carlsbad, NM 88220

Chain of Custody Record

43	eurofins	
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Environment Testing

Phone: 575-988-3199 Fax: 575-988-3199										_												
Client Information (Sub Contract Lab)	Sampler	_	-		ab PA Kram		essic	a					Car	rier Ta	cking	No(s)	:			COC No: 890-1409.2		
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Custody Seals Intact: Custody Seal No. Δ Yes Δ No							Coo	ler Te	mpera	lure(s)	°C ar	d Other R	emark	s:								

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-5025-1

SDG Number: Hobbs Station

Login Number: 5025 List Source: Eurofins Carlsbad

List Number: 1 Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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.	N/A	Refer to Job Narrative for details.
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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8/9/2023

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-5025-1

SDG Number: Hobbs Station

List Source: Eurofins Houston
List Number: 3
List Creation: 08/04/23 01:22 PM

Creator: Pena, Jesiel

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-5025-1

SDG Number: Hobbs Station

List Source: Eurofins Midland
List Number: 2
List Creation: 08/04/23 10:46 AM

Creator: Rodriguez, Leticia

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	N/A	

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<6mm (1/4").



Analytical Data Review Checklist

Site: Hobbs Station Tank 5202 Laboratory: Eurofins Houston and Eurofins Midland

Location: Hobbs, NM

Client Name: HEP

Project #: 528833

Lab Report #: 890-5025-1

Reviewer: A. Eljuri

Peer Reviewer: L. Denly

Review Date: 9/11/2023

Analytical Method(s): Matrices Sampled: Sample Collection Date(s):

BTEX by Method 8260C; TPH (GRO, DRO, ORO, and Total) by Method 8015B NM; Chloride by EPA 300.0 Soil, aqueous quality control (QC) sample

Sampling Objective(s):

Collect confirmation soil samples at a release site.

Sample IDs (List IDs or attach COC):

Refer to data package sample summary.

Revi	ew Item or Question	Υ	N	NA	Comments
Chain-	of-Custody and Data Completeness		•		
1	Was COC appropriately completed?		Х		The initial relinquish time and date from Eurofins Carlsbad to FedEx is missing.
2	Did the laboratory report correct sample IDs?	Х			The laboratory did not include spaces after the "@" symbol in the Sample Summary for lab sample IDs 890-5025-1 through 890-5025-5, but the space was used as applicable when referring to the samples in this document.
3	Do the laboratory reported sample collection dates and times agree with the COC forms?		X		The COC listed the sample date for trip blank TB-08-02-23-01 as 8/2/2023 and the Sample Summary lists it as 8/1/2023.
4	Are results reported for all analytical methods requested?	Х			The Eurofins Houston laboratory reported Total BTEX (solid and water) and the Eurofins Midland laboratory reported Total TPH (solid), which are not offered for accreditation.
5	Are results reported for all samples submitted for analysis?	Х			
6	Were the requested analytical methods used?	Х			
7	Are results reported for all target analytes, but no additional analytes?	Х			TPH ORO instead of TPH MRO per the COC was reported. The laboratory confirmed TPH ORO and TPH MRO report the same ranges.
8	SOIL/SEDIMENT ONLY: 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.
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?			Х	
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	Х			
Sampl	e Preservation				
11a	Did samples arrive at the laboratory appropriately preserved?			x	Trip blank provided by laboratory was preserved with HCl.
11b	Was the cooler temperature between 0-6°C?	Х			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			Х	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		х		Soil samples were collected in unpreserved bulk jars, which is an acceptable collection method for BTEX and TPH analyses for the New Mexico Oil Conservation District.



Analytical Data Review Checklist

Revi	ew Item or Question	Υ	N	NA	Comments
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	Х			
13	Were any issues noted by the laboratory upon receipt?		х		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			Х	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			x	
Holdir	ng Times				
15	Were sample preparation and analysis holding time requirements met?	Х			
Repor	ting Limits				
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 parameters(s) affected and the dilution factor(s).	Х			SB-4 @ 30' and SB-4 @ 40': BTEX 50-fold
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?	Х			The Job Narrative stated dilutions were performed for SB-4 @ 40' because the sample was sludge and for SB-4 @ 30' because the sample was rocks.
	Results				
Blank			ı	1	
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		х		
20	Does each analytical or preparation batch have its own method blank?	Х			
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).		х		Trip blank identified as TB-08-02-23-01.
22	Are there any potential false positive results based on questions 19 and/or 21?		Х		
Labor	atory Control Spikes				
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.		х		Total xylenes and TPH ORO are not reported in any LCS or LCSD. In analysis batch 59688, the LCS/LCSD recoveries for TPH GRO (68%/69%) were below the laboratory-specified limits (70-130%). Therefore, all the nondetect TPH GRO results may be estimated,
24	Does each analytical or preparation batch have its own LCS?	Х			biased low.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	Х			
Matrix	Spikes				
26	Are MS/MSD recoveries within QC limits? If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	X			MS/MSDs were performed on samples SB-4 @ 20' and SB-4 @ 35' for chloride. MS/MSDs were also performed on non-project samples; non-project sample MS/MSD results were not evaluated during this review.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	Х			



Analytical Data Review Checklist

Revi	ew Item or Question	Υ	N	NA	Comments
Surro	gates				
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	х			
Duplio	cates				
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			х	
30	Were field duplicate criteria met? If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples. NOTE: RPD ≤ 50% for soil samples when results are >3x the reporting limit; otherwise, AbsD > 2x reporting limit.		X		Field duplicate pair DUP-1 and SB-4 @ 20' do not meet project criteria for ethylbenzene (AbsD 0.00626 mg/kg), m,p-xylenes (AbsD 0.00912 mg/kg), o-xylene (AbsD 0.00644 mg/kg), total xylenes (AbsD 0.01652 mg/kg), Total BTEX (AbsD 0.02382 mg/kg), and chloride (RPD 72.4%). Therefore, ethylbenzene, m,p-xylenes, o-xylene, total xylenes, Total BTEX, and chloride in DUP-1 and SB-4 @ 20' may be considered estimated.
Do the	Data Make Sense?				
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences) that have not already been addressed above? If yes, list the comments that have potential impact to sample results (or attach case narrative and highlight the comments that have potential impact to sample results).		х		
32	Were any other potential data quality issues identified? If yes, describe issues.		Х		
33	Do any results look questionable? If yes, ASK THE LAB.		Х		
34	Has the EDD been compared to the lab report?			Х	
Additio	onal Comments:			1	1

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

AbsD = Absolute Difference

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

MRO = Motor Range Organics

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

 $\mathsf{RPD} = \mathsf{Relative} \; \mathsf{Percent} \; \mathsf{Difference} = 100\% \; \mathsf{x} \; |(\mathsf{A-B})/((\mathsf{A+B})/2)|$

TPH = Total Petroleum Hydrocarbon

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Russell Sebring TRC Solutions, Inc. 10 Desta Drive Suite #130E Midland, Texas 79705

Generated 9/6/2023 12:14:16 PM

JOB DESCRIPTION

HEP Hobbs Station TK 5202 SDG NUMBER Hobbs Station

JOB NUMBER

880-32748-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

Generated 9/6/2023 12:14:16 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: TRC Solutions, Inc.

Laboratory Job ID: 880-32748-1

Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

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Definitions/Glossary

Client: TRC Solutions, Inc.

Job ID: 880-32748-1

SDG: Hobbs Station

Project/Site: HEP Hobbs Station TK 5202

Qualifiers

GC/MS VOA Qualifier Qualifier

Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.
U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

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.

F1 MS and/or MSD recovery 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.

Eisted 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

Eurofins Midland

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Case Narrative

Client: TRC Solutions, Inc.

Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Job ID: 880-32748-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-32748-1

Receipt

The samples were received on 8/31/2023 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC/MS VOA

Method 8260C: The matrix spike (MS) recoveries for preparation batch 860-119898 and analytical batch 860-120060 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: SB-2 @ 15 (880-32748-1) and (880-32748-B-1-A MS). Elevated reporting limits (RLs) are provided. Sample was prepped with methanol from a bulk jar.

Method 8260C: The following samples were diluted due to it being a sandblast: (860-56384-C-1-A) and (860-56384-C-1-A MS). Elevated reporting limits (RL) are provided. Sample prepped with methanol from a bulk jar.

Method 8260C: Sample is in a bulk jar.SB-2 @ 20 (880-32748-2), SB-2 @ 25 (880-32748-3), SB-2 @ 30 (880-32748-4), SB-2 @ 35 (880-32748-5) and SB-2 @ 40 (880-32748-6)

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: The surrogate recovery for the blank associated with preparation batch 880-61669 and analytical batch 880-61701 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: SB-2 @ 15 (880-32748-1), SB-2 @ 20 (880-32748-2), SB-2 @ 25 (880-32748-3), SB-2 @ 30 (880-32748-4), SB-2 @ 35 (880-32748-5), SB-2 @ 40 (880-32748-6), (880-32748-A-4-C MS) and (880-32748-A-4-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-61701/31) and (CCV 880-61701/47). Evidence of matrix interferences is not obvious.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 860-120124 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) recovery is within acceptance limits.

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-61617 and analytical batch 880-61691 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland 9/6/2023

Matrix: Solid

Client: TRC Solutions, Inc. Job ID: 880-32748-1 SDG: Hobbs Station

Project/Site: HEP Hobbs Station TK 5202 Lab Sample ID: 880-32748-1 Client Sample ID: SB-2 @ 15

Date Collected: 08/30/23 10:15 Date Received: 08/31/23 09:10

Sample Depth: 15

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	9.56		1.00	mg/Kg		09/01/23 13:49	09/05/23 12:21	1000
Toluene	62.1	F1	5.01	mg/Kg		09/01/23 13:49	09/05/23 12:21	1000
Ethylbenzene	38.9	F1	1.00	mg/Kg		09/01/23 13:49	09/05/23 12:21	1000
m,p-Xylenes	43.3	F1	2.00	mg/Kg		09/01/23 13:49	09/05/23 12:21	100
o-Xylene	17.6		1.00	mg/Kg		09/01/23 13:49	09/05/23 12:21	100
Xylenes, Total	60.9		2.00	mg/Kg		09/01/23 13:49	09/05/23 12:21	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	102		56 - 150			09/01/23 13:49	09/05/23 12:21	100
4-Bromofluorobenzene (Surr)	97		68 - 152			09/01/23 13:49	09/05/23 12:21	100
Dibromofluoromethane (Surr)	104		53 - 142			09/01/23 13:49	09/05/23 12:21	100
Toluene-d8 (Surr)	107		70 - 130			09/01/23 13:49	09/05/23 12:21	100
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	171		2.00	mg/Kg			09/05/23 16:24	
Method: SW846 8015 NM -	Diesel Range (Organics (I	DRO) (GC)					
Analyte	_	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	4300		50.5	mg/Kg			09/05/23 12:04	

Method: SW846 8015B NM - D	_	_	. , , ,	1114	_	D	A I I	D!! E
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1560		50.5	mg/Kg		08/31/23 13:55	09/01/23 21:10	1
Diesel Range Organics (Over C10-C28)	2740		50.5	mg/Kg		08/31/23 13:55	09/01/23 21:10	1
Oll Range Organics (Over C28-C36)	<50.5	U	50.5	mg/Kg		08/31/23 13:55	09/01/23 21:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	152	S1+	70 - 130			08/31/23 13:55	09/01/23 21:10	1
o-Terphenyl	109		70 - 130			08/31/23 13:55	09/01/23 21:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	76.2		4.97	mg/Kg			09/01/23 00:26	1

Client Sample ID: SB-2 @ 20 Lab Sample ID: 880-32748-2 Date Collected: 08/30/23 10:30 **Matrix: Solid** Date Received: 08/31/23 09:10

Sample Depth: 20

Method: SW846 82600		•	•		_	_		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	mg/Kg		09/05/23 09:00	09/05/23 13:52	1
Toluene	<0.00505	U	0.00505	mg/Kg		09/05/23 09:00	09/05/23 13:52	1
Ethylbenzene	<0.00101	U	0.00101	mg/Kg		09/05/23 09:00	09/05/23 13:52	1
m,p-Xylenes	<0.00202	U	0.00202	mg/Kg		09/05/23 09:00	09/05/23 13:52	1
o-Xylene	<0.00101	U	0.00101	mg/Kg		09/05/23 09:00	09/05/23 13:52	1
Xylenes, Total	<0.00202	U	0.00202	mg/Kg		09/05/23 09:00	09/05/23 13:52	1

Matrix: Solid

Lab Sample ID: 880-32748-2

Client: TRC Solutions, Inc.

Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Client Sample ID: SB-2 @ 20

Date Collected: 08/30/23 10:30 Date Received: 08/31/23 09:10

Sample Depth: 20

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104	56 - 150	09/05/23 09:00	09/05/23 13:52	1
4-Bromofluorobenzene (Surr)	97	68 - 152	09/05/23 09:00	09/05/23 13:52	1
Dibromofluoromethane (Surr)	100	53 - 142	09/05/23 09:00	09/05/23 13:52	1
Toluene-d8 (Surr)	94	70 - 130	09/05/23 09:00	09/05/23 13:52	1

Method: IAL SOP Total BIEX	- Iotal BIE	x Caiculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	mg/Kg			09/05/23 16:24	1

Method: SW846 8015 NM - Die	sel Range (Organics (I	ORO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.6		50.1	mg/Kg			09/05/23 12:04	1

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1 €	U	50.1	mg/Kg		08/31/23 13:55	09/01/23 21:53	1
Diesel Range Organics (Over C10-C28)	99.6		50.1	mg/Kg		08/31/23 13:55	09/01/23 21:53	1
Oll Range Organics (Over C28-C36)	<50.1 l	U	50.1	mg/Kg		08/31/23 13:55	09/01/23 21:53	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	139	S1+	70 - 130	08/31/23 13:55	09/01/23 21:53	1
	o-Terphenyl	119		70 - 130	08/31/23 13:55	09/01/23 21:53	1
ſ							

Method: EPA 300.0 - Anions, I	on Chromatog	graphy - Solub	le					
Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.8		4.96	mg/Kg			09/01/23 00:50	1

Client Sample ID: SB-2 @ 25 Lab Sample ID: 880-32748-3

Date Collected: 08/30/23 10:45 Date Received: 08/31/23 09:10

Sample Depth: 25

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996	mg/Kg		09/05/23 09:00	09/05/23 14:14	1
Toluene	<0.00498	U	0.00498	mg/Kg		09/05/23 09:00	09/05/23 14:14	1
Ethylbenzene	< 0.000996	U	0.000996	mg/Kg		09/05/23 09:00	09/05/23 14:14	1
m,p-Xylenes	<0.00199	U	0.00199	mg/Kg		09/05/23 09:00	09/05/23 14:14	1
o-Xylene	< 0.000996	U	0.000996	mg/Kg		09/05/23 09:00	09/05/23 14:14	1
Xylenes, Total	<0.00199	U	0.00199	mg/Kg		09/05/23 09:00	09/05/23 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150			09/05/23 09:00	09/05/23 14:14	1
4-Bromofluorobenzene (Surr)	97		68 - 152			09/05/23 09:00	09/05/23 14:14	1
Dibromofluoromethane (Surr)	96		53 - 142			09/05/23 09:00	09/05/23 14:14	1
Toluene-d8 (Surr)	95		70 - 130			09/05/23 09:00	09/05/23 14:14	1

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Total BTEX <0.00199 U 0.00199 09/05/23 16:24 mg/Kg

Matrix: Solid

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1 SDG: Hobbs Station

Lab Sample ID: 880-32748-3

08/31/23 13:55 09/01/23 22:14

Lab Sample ID: 880-32748-4

Client Sample ID: SB-2 @ 25 Date Collected: 08/30/23 10:45 Date Received: 08/31/23 09:10

Matrix: Solid

Sample Depth: 25

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total TPH	77.4		49.7	mg/Kg			09/05/23 12:04	1		

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac <49.7 U 49.7 08/31/23 13:55 09/01/23 22:14 Gasoline Range Organics mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 77.4 49.7 mg/Kg 08/31/23 13:55 09/01/23 22:14 C10-C28) Oll Range Organics (Over C28-C36) <49.7 U 49.7 mg/Kg 08/31/23 13:55 09/01/23 22:14 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 145 S1+ 70 - 130 08/31/23 13:55 09/01/23 22:14 70 - 130

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	35.3		5.01	mg/Kg			09/01/23 00:58	1		

127

Client Sample ID: SB-2 @ 30

Date Collected: 08/30/23 11:00

Date Received: 08/31/23 09:10

Sample Depth: 30

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 14:37	1
Toluene	<0.00501	U	0.00501	mg/Kg		09/05/23 09:00	09/05/23 14:37	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 14:37	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg		09/05/23 09:00	09/05/23 14:37	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 14:37	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		09/05/23 09:00	09/05/23 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		56 - 150			09/05/23 09:00	09/05/23 14:37	1
4-Bromofluorobenzene (Surr)	97		68 - 152			09/05/23 09:00	09/05/23 14:37	1
Dibromofluoromethane (Surr)	96		53 - 142			09/05/23 09:00	09/05/23 14:37	1
Toluene-d8 (Surr)	94		70 - 130			09/05/23 09:00	09/05/23 14:37	1

Method. IAL SOI Total DILA	· IOLAI DIL	A Calculat	.1011					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg	_		09/05/23 16:24	1

Method: Syvo46 6015 NW - Die	isei Kange C	Jrganics (D	RO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4	mg/Kg			09/05/23 12:04	1

Method: SW846 8015B NM -	Diesel Range	Organics (DRO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4	mg/Kg		08/31/23 13:55	09/01/23 20:06	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4	mg/Kg		08/31/23 13:55	09/01/23 20:06	1

Eurofins Midland

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Matrix: Solid

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Lab Sample ID: 880-32748-4

Lab Sample ID: 880-32748-5

09/05/23 09:00 09/05/23 15:00

Matrix: Solid

Matrix: Solid

Client Sample ID: SB-2 @ 30 Date Collected: 08/30/23 11:00 Date Received: 08/31/23 09:10

Sample Depth: 30

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.4	U	50.4	mg/Kg		08/31/23 13:55	09/01/23 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130			08/31/23 13:55	09/01/23 20:06	1
o-Terphenvl	125		70 - 130			08/31/23 13:55	09/01/23 20:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	50.7		5.04	mg/Kg			09/01/23 01:06	1

Client Sample ID: SB-2 @ 35

Date Collected: 08/30/23 11:45

Date Received: 08/31/23 09:10

Sample Depth: 35

Toluene-d8 (Surr)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 15:00	1
Toluene	<0.00502	U	0.00502	mg/Kg		09/05/23 09:00	09/05/23 15:00	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 15:00	1
m,p-Xylenes	<0.00201	U	0.00201	mg/Kg		09/05/23 09:00	09/05/23 15:00	1
o-Xylene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 15:00	1
Xylenes, Total	<0.00201	U	0.00201	mg/Kg		09/05/23 09:00	09/05/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		56 - 150			09/05/23 09:00	09/05/23 15:00	1
4-Bromofluorobenzene (Surr)	99		68 - 152			09/05/23 09:00	09/05/23 15:00	1
Dibromofluoromethane (Surr)	98		53 - 142			09/05/23 09:00	09/05/23 15:00	1

Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201	mg/Kg			09/05/23 16:24	1

70 - 130

97

Method: SW846 8015 NM - Die	sel Range (Organics (I	ORO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	199		49.9	mg/Kg			09/05/23 12:04	1

Allalyte	Result	Qualifier	114	Oilit		rrepared	Allalyzeu	Diriac
Total TPH	199		49.9	mg/Kg			09/05/23 12:04	1
Method: SW846 8015B NM - D	iesel 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		08/31/23 13:55	09/01/23 21:31	1
Diesel Range Organics (Over C10-C28)	199		49.9	mg/Kg		08/31/23 13:55	09/01/23 21:31	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		08/31/23 13:55	09/01/23 21:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130			08/31/23 13:55	09/01/23 21:31	1
o-Terphenyl	118		70 - 130			08/31/23 13:55	09/01/23 21:31	1

Matrix: Solid

Lab Sample ID: 880-32748-5

Job ID: 880-32748-1

Client: TRC Solutions, Inc. Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Client Sample ID: SB-2 @ 35

Date Collected: 08/30/23 11:45 Date Received: 08/31/23 09:10

Sample Depth: 35

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.4		4.98	mg/Kg			09/01/23 01:14	1

Client Sample ID: SB-2 @ 40 Lab Sample ID: 880-32748-6 **Matrix: Solid**

Date Collected: 08/30/23 12:00 Date Received: 08/31/23 09:10

Sample Depth: 40

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 15:23	
Toluene	<0.00500	U	0.00500	mg/Kg		09/05/23 09:00	09/05/23 15:23	
Ethylbenzene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 15:23	
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg		09/05/23 09:00	09/05/23 15:23	
o-Xylene	<0.00100	U	0.00100	mg/Kg		09/05/23 09:00	09/05/23 15:23	
Xylenes, Total	<0.00200	U	0.00200	mg/Kg		09/05/23 09:00	09/05/23 15:23	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	103		56 - 150			09/05/23 09:00	09/05/23 15:23	
4-Bromofluorobenzene (Surr)	99		68 - 152			09/05/23 09:00	09/05/23 15:23	
Dibromofluoromethane (Surr)	97		53 - 142			09/05/23 09:00	09/05/23 15:23	
Toluene-d8 (Surr)	96		70 - 130			09/05/23 09:00	09/05/23 15:23	
Method: TAL SOP Total BTEX	: Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX Method: SW846 8015 NM - Did	_	Organics (0.00200 DRO) (GC)	mg/Kg			09/05/23 16:24	
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	esel Range (Organics (Qualifier	0.00200	mg/Kg Unit mg/Kg		Prepared	09/05/23 16:24 Analyzed 09/05/23 12:04	
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	esel Range (Result <49.8	Organics (Qualifier	0.00200 DRO) (GC) RL 49.8	Unit	<u>D</u>		Analyzed	
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E	esel Range (Result <49.8	Organics (Qualifier	0.00200 DRO) (GC) RL 49.8	Unit	D		Analyzed 09/05/23 12:04	Dil Fa
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	esel Range (Result <49.8	Organics (Qualifier U Organics Qualifier Qualifier	0.00200 DRO) (GC) RL 49.8 (DRO) (GC)	Unit mg/Kg	_ =	Prepared Prepared	Analyzed	Dil Fa
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - E Analyte	esel Range Result <49.8 Diesel Range Result	Organics (Qualifier U Organics Qualifier Qualifier	0.00200 DRO) (GC) RL 49.8 (DRO) (GC) RL	Unit mg/Kg	_ =	Prepared Prepared	Analyzed 09/05/23 12:04 Analyzed	Dil Fa
Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics	esel Range Result <49.8 Diesel Range Result	Organics (Qualifier U Organics Qualifier U	0.00200 DRO) (GC) RL 49.8 (DRO) (GC) RL	Unit mg/Kg	_ =	Prepared Prepared 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed	Dil Fa
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	esel Range Result <49.8 Diesel Range Result <49.8 <49.8	Organics (Qualifier U Organics Qualifier U U	0.00200 DRO) (GC) RL 49.8 (DRO) (GC) RL 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared Prepared 08/31/23 13:55 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35 09/01/23 22:35	Dil Fa
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range Result <49.8 Diesel Range Result <49.8	Organics (Qualifier U Organics Qualifier U U	0.00200 DRO) (GC) RL 49.8 (DRO) (GC) RL 49.8	Unit mg/Kg Unit mg/Kg	_ =	Prepared Prepared 08/31/23 13:55 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35	Dil Fa
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 %Recovery	Organics (Qualifier U Organics Qualifier U U Qualifier	0.00200 DRO) (GC) RL 49.8 6 (DRO) (GC) RL 49.8 49.8 49.8 Limits	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 08/31/23 13:55 08/31/23 13:55 08/31/23 13:55 Prepared	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35 09/01/23 22:35 09/01/23 22:35 Analyzed	Dil Fa
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 %Recovery	Organics (Qualifier U Organics Qualifier U U	0.00200 DRO) (GC) RL 49.8 (DRO) (GC) RL 49.8 49.8 49.8	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared Prepared 08/31/23 13:55 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35 09/01/23 22:35 09/01/23 22:35 Analyzed	Dil Fa
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 %Recovery	Organics (Qualifier U Organics Qualifier U U Qualifier	0.00200 DRO) (GC) RL 49.8 6 (DRO) (GC) RL 49.8 49.8 49.8 Limits	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 08/31/23 13:55 08/31/23 13:55 08/31/23 13:55 Prepared 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35 09/01/23 22:35 09/01/23 22:35 Analyzed	Dil Fa
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 %Recovery 152 127	Organics (Qualifier U Organics Qualifier U U U Qualifier S1+	0.00200 DRO) (GC) RL 49.8 6 (DRO) (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 08/31/23 13:55 08/31/23 13:55 08/31/23 13:55 Prepared 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35 09/01/23 22:35 09/01/23 22:35 Analyzed 09/01/23 22:35	Dil Fa
Method: SW846 8015 NM - Did Analyte Total TPH Method: SW846 8015B NM - Did Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane 0-Terphenyl	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 %Recovery 152 127 Ion Chroma	Organics (Qualifier U Organics Qualifier U U U Qualifier S1+	0.00200 DRO) (GC) RL 49.8 6 (DRO) (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 08/31/23 13:55 08/31/23 13:55 08/31/23 13:55 Prepared 08/31/23 13:55	Analyzed 09/05/23 12:04 Analyzed 09/01/23 22:35 09/01/23 22:35 09/01/23 22:35 Analyzed 09/01/23 22:35	Dil Fa Dil Fa

Client: TRC Solutions, Inc.

Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Lab Sample ID: 880-32748-11 Client Sample ID: EB-083023

Date Collected: 08/30/23 14:30 **Matrix: Water** Date Received: 08/31/23 09:10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/L			09/05/23 13:21	1
Toluene	<0.00100	U	0.00100	mg/L			09/05/23 13:21	1
Ethylbenzene	<0.00100	U	0.00100	mg/L			09/05/23 13:21	1
m,p-Xylenes	<0.0100	U	0.0100	mg/L			09/05/23 13:21	1
o-Xylene	<0.00100	U	0.00100	mg/L			09/05/23 13:21	1
Xylenes, Total	<0.0100	U	0.0100	mg/L			09/05/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			63 - 144				09/05/23 13:21	1
4-Bromofluorobenzene (Surr)	120		74 - 124				09/05/23 13:21	1
Dibromofluoromethane (Surr)	106		75 - 131				09/05/23 13:21	1
Toluene-d8 (Surr)	100		80 - 120				09/05/23 13:21	1
Method: TAL SOP Total BT	EX - Total BTE	X Calculat	ion					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0100	U	0.0100	mg/L			09/05/23 12:14	1
Method: SW846 8015 NM - Die	sal Panga (Organice (F	PO) (GC)					

Welliou. 344040 0013 NW - Die	sei Kaliye (Ji yailicə (L	iko) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<4.82	U	4.82	mg/L			09/05/23 16:24	1

Method: SW846 8015B NM - D	iesel Range	Organics	(DRO) (GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<4.82	U	4.82	mg/L		09/05/23 09:30	09/05/23 20:06	1
Diesel Range Organics (Over C10-C28)	<4.82	U	4.82	mg/L		09/05/23 09:30	09/05/23 20:06	1
Oll Range Organics (Over C28-C36)	<4.82	U	4.82	mg/L		09/05/23 09:30	09/05/23 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 135			09/05/23 09:30	09/05/23 20:06	1
o-Terphenyl	97		70 - 135			09/05/23 09:30	09/05/23 20:06	1

Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1.75	0.500	mg/L			09/06/23 01:46	1	

Lab Sample ID: 880-32748-12 **Client Sample ID: Trip Blank** Date Collected: 08/30/23 00:00 **Matrix: Water** Date Received: 08/31/23 09:10

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/L			09/05/23 13:42	1
Toluene	<0.00100	U	0.00100	mg/L			09/05/23 13:42	1
Ethylbenzene	<0.00100	U	0.00100	mg/L			09/05/23 13:42	1
m,p-Xylenes	<0.0100	U	0.0100	mg/L			09/05/23 13:42	1
o-Xylene	<0.00100	U	0.00100	mg/L			09/05/23 13:42	1
Xylenes, Total	<0.0100	U	0.0100	mg/L			09/05/23 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		63 - 144		•		09/05/23 13:42	1

Client Sample Results

Client: TRC Solutions, Inc.

Job ID: 880-32748-1

Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Client Sample ID: Trip Blank

Lab Sample ID: 880-32748-12

Date Collected: 08/30/23 00:00 Matrix: Water Date Received: 08/31/23 09:10

Method: SW846 8260D	- Volatile Organic	Compounds by	GC/MS (Continued)
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	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	119		74 - 124		09/05/23 13:42	1
	Dibromofluoromethane (Surr)	112		75 - 131		09/05/23 13:42	1
L	Toluene-d8 (Surr)	102		80 - 120		09/05/23 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Total RTEX	<0.0100	0.0100	ma/l			09/05/23 16:24	1		

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Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 880-32748-1

Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid Prep Type: Total/NA

				ercent Surro	•
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
860-56384-C-1-A MS	Matrix Spike	95	95	96	96
880-32748-1	SB-2 @ 15	102	97	104	107
880-32748-1 MS	SB-2 @ 15	102	100	102	105
880-32748-2	SB-2 @ 20	104	97	100	94
880-32748-3	SB-2 @ 25	105	97	96	95
880-32748-4	SB-2 @ 30	99	97	96	94
880-32748-5	SB-2 @ 35	103	99	98	97
880-32748-6	SB-2 @ 40	103	99	97	96
LCS 860-120057/3	Lab Control Sample	94	98	93	99
LCS 860-120060/3	Lab Control Sample	98	97	99	106
LCSD 860-120057/4	Lab Control Sample Dup	93	92	95	98
LCSD 860-120060/4	Lab Control Sample Dup	100	97	101	107
MB 860-120057/9	Method Blank	98	96	94	95
MB 860-120060/10	Method Blank	105	97	104	105

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

			Pe	ercent Surre	ogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
820-9911-C-1 MS	Matrix Spike	104	91	100	99
880-32748-11	EB-083023	101	120	106	100
LCS 860-120121/3	Lab Control Sample	97	93	99	100
LCSD 860-120121/4	Lab Control Sample Dup	102	95	99	102
MB 860-120121/9	Method Blank	106	117	110	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water Prep Type: Total/NA

_			Pe	ercent Surre	ogate Rec
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(63-144)	(74-124)	(75-131)	(80-120)
820-9911-C-1 MS	Matrix Spike	104	91	100	99
880-32748-12	Trip Blank	99	119	112	102
LCS 860-120122/3	Lab Control Sample	97	93	99	100
LCSD 860-120122/4	Lab Control Sample Dup	102	95	99	102
MB 860-120122/9	Method Blank	106	117	110	102
Surrogate Legend				-	

Job ID: 880-32748-1

SDG: Hobbs Station

Surrogate Summary

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

DCA = 1,2-Dichloroethane-d4 (Surr) BFB = 4-Bromofluorobenzene (Surr) DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

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

			Percent	Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-32748-1	SB-2 @ 15	152 S1+	109	
880-32748-2	SB-2 @ 20	139 S1+	119	
880-32748-3	SB-2 @ 25	145 S1+	127	
880-32748-4	SB-2 @ 30	144 S1+	125	
880-32748-4 MS	SB-2 @ 30	138 S1+	107	
880-32748-4 MSD	SB-2 @ 30	138 S1+	107	
880-32748-5	SB-2 @ 35	140 S1+	118	
880-32748-6	SB-2 @ 40	152 S1+	127	
LCS 880-61669/2-A	Lab Control Sample	111	113	
LCSD 880-61669/3-A	Lab Control Sample Dup	118	114	
	Method Blank	161 S1+	145 S1+	

OTPH = o-Terphenyl

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

Matrix: Water Prep Type: Total/NA

			Percent	Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-135)	(70-135)	
860-56065-K-3-F MS	Matrix Spike	93	99	
880-32748-11	EB-083023	84	97	
LCS 860-120092/2-A	Lab Control Sample	94	99	
LCSD 860-120092/3-A	Lab Control Sample Dup	88	97	
MB 860-120092/1-A	Method Blank	83	93	

1CO = 1-Chlorooctane OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: 860-56384-C-1-A MS

Matrix: Solid

Analysis Batch: 120057

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 119898

Analysis Baton, 120001									1 Top Baton. 110000
_	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.0498	U	2.49	2.620		mg/Kg		105	71 - 119
Toluene	<0.249	U	2.49	2.597		mg/Kg		104	74 - 122
Ethylbenzene	<0.0498	U	2.49	2.634		mg/Kg		106	80 - 123
m,p-Xylenes	<0.0996	U	2.49	2.629		mg/Kg		106	78 - 127
o-Xylene	<0.0498	U	2.49	2.637		mg/Kg		106	79 - 125

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		56 - 150
4-Bromofluorobenzene (Surr)	95		68 - 152
Dibromofluoromethane (Surr)	96		53 - 142
Toluene-d8 (Surr)	96		70 - 130

Client Sample ID: SB-2 @ 15

Prep Type: Total/NA

Prep Batch: 119898

Lab Sample ID: 880-32748-1 MS **Matrix: Solid**

Analysis Batch: 120060

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	9.56		50.1	50.38		mg/Kg		81	71 - 119	
Toluene	62.1	F1	50.1	94.27	F1	mg/Kg		64	74 - 122	
Ethylbenzene	38.9	F1	50.1	77.12	F1	mg/Kg		76	80 - 123	
m,p-Xylenes	43.3	F1	50.1	81.14	F1	mg/Kg		75	78 - 127	
o-Xylene	17.6		50.1	62.70		mg/Kg		90	79 - 125	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		56 - 150
4-Bromofluorobenzene (Surr)	100		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	105		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 120057

Lab Sample ID: MB 860-120057/9

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			09/05/23 12:21	1
Toluene	<0.00500	U	0.00500	mg/Kg			09/05/23 12:21	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			09/05/23 12:21	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			09/05/23 12:21	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			09/05/23 12:21	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			09/05/23 12:21	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		56 - 150	_		09/05/23 12:21	1
4-Bromofluorobenzene (Surr)	96		68 - 152			09/05/23 12:21	1
Dibromofluoromethane (Surr)	94		53 - 142			09/05/23 12:21	1
Toluene-d8 (Surr)	95		70 - 130			09/05/23 12:21	1

Client: TRC Solutions, Inc.

Job ID: 880-32748-1

Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-120057/3

Matrix: Solid

Analysis Batch: 120057

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

%Rec
Jnit D %Rec Limits

Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		0.0500	0.05012		mg/Kg		100	66 - 142	
Toluene		0.0500	0.05095		mg/Kg		102	74 - 130	
Ethylbenzene		0.0500	0.05282		mg/Kg		106	80 - 130	
m,p-Xylenes		0.0500	0.05246		mg/Kg		105	78 - 130	
o-Xylene		0.0500	0.05255		mg/Kg		105	79 - 130	
	LCS	LCS							

LCS LCS

Spike

 Surrogate
 %Recovery
 Qualifier
 Limits

 1,2-Dichloroethane-d4 (Surr)
 94
 56 - 150

 4-Bromofluorobenzene (Surr)
 98
 68 - 152

 Dibromofluoromethane (Surr)
 93
 53 - 142

 Toluene-d8 (Surr)
 99
 70 - 130

Lab Sample ID: LCSD 860-120057/4 Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA

Analysis Batch: 120057

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Benzene 0.0500 0.04762 mg/Kg 95 66 - 142 5 25 Toluene 0.0500 0.04854 mg/Kg 97 74 - 130 25 5 100 25 Ethylbenzene 0.0500 0.04986 mg/Kg 80 - 130 6 m,p-Xylenes 0.0500 0.04894 98 78 - 130 25 mg/Kg 0.0500 0.05004 100 o-Xylene mg/Kg 79 - 130 25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		56 - 150
4-Bromofluorobenzene (Surr)	92		68 - 152
Dibromofluoromethane (Surr)	95		53 - 142
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 860-120060/10

Matrix: Solid

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

Analysis Batch: 120060

_	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	mg/Kg			09/05/23 12:00	1
Toluene	<0.00500	U	0.00500	mg/Kg			09/05/23 12:00	1
Ethylbenzene	<0.00100	U	0.00100	mg/Kg			09/05/23 12:00	1
m,p-Xylenes	<0.00200	U	0.00200	mg/Kg			09/05/23 12:00	1
o-Xylene	<0.00100	U	0.00100	mg/Kg			09/05/23 12:00	1
Xylenes, Total	<0.00200	U	0.00200	mg/Kg			09/05/23 12:00	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150		09/05/23 12:00	1
4-Bromofluorobenzene (Surr)	97		68 - 152		09/05/23 12:00	1
Dibromofluoromethane (Surr)	104		53 - 142		09/05/23 12:00	1
Toluene-d8 (Surr)	105		70 - 130		09/05/23 12:00	1
	1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr)	Surrogate%Recovery1,2-Dichloroethane-d4 (Surr)1054-Bromofluorobenzene (Surr)97Dibromofluoromethane (Surr)104	1,2-Dichloroethane-d4 (Surr) 105 4-Bromofluorobenzene (Surr) 97 Dibromofluoromethane (Surr) 104	Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 105 56 - 150 4-Bromofluorobenzene (Surr) 97 68 - 152 Dibromofluoromethane (Surr) 104 53 - 142	Surrogate %Recovery Qualifier Limits Prepared 1,2-Dichloroethane-d4 (Surr) 105 56 - 150 4-Bromofluorobenzene (Surr) 97 68 - 152 Dibromofluoromethane (Surr) 104 53 - 142	Surrogate %Recovery Qualifier Limits Prepared Analyzed 1,2-Dichloroethane-d4 (Surr) 105 56 - 150 09/05/23 12:00 4-Bromofluorobenzene (Surr) 97 68 - 152 09/05/23 12:00 Dibromofluoromethane (Surr) 104 53 - 142 09/05/23 12:00

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QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-120060/3

Matrix: Solid

Analysis Batch: 120060

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04075		mg/Kg		81	66 - 142	
Toluene	0.0500	0.04692		mg/Kg		94	74 - 130	
Ethylbenzene	0.0500	0.04641		mg/Kg		93	80 - 130	
m,p-Xylenes	0.0500	0.04707		mg/Kg		94	78 - 130	
o-Xylene	0.0500	0.04741		mg/Kg		95	79 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		56 - 150
4-Bromofluorobenzene (Surr)	97		68 - 152
Dibromofluoromethane (Surr)	99		53 - 142
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: LCSD 860-120060/4

Matrix: Solid

Analysis Batch: 120060

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.0500 0.04487 66 - 142 mg/Kg 90 10 25 Toluene 0.0500 0.05208 mg/Kg 104 74 - 130 25 10 103 25 Ethylbenzene 0.0500 0.05152 mg/Kg 80 - 130 10 m,p-Xylenes 0.0500 0.05207 mg/Kg 104 78 - 130 25 10 0.0500 0.05271 105 o-Xylene mg/Kg 79 - 130 11 25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		56 - 150
4-Bromofluorobenzene (Surr)	97		68 - 152
Dibromofluoromethane (Surr)	101		53 - 142
Toluene-d8 (Surr)	107		70 - 130

Lab Sample ID: MB 860-120121/9 **Client Sample ID: Method Blank**

Matrix: Water

Analysis Batch: 120121

Prep Type: Total/NA

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00100 U 0.00100 mg/L 09/05/23 13:01 Toluene <0.00100 U 0.00100 09/05/23 13:01 mg/L Ethylbenzene <0.00100 U 0.00100 mg/L 09/05/23 13:01 m,p-Xylenes <0.0100 U 0.0100 09/05/23 13:01 mg/L o-Xylene <0.00100 U 0.00100 mg/L 09/05/23 13:01 Xylenes, Total <0.0100 U 0.0100 mg/L 09/05/23 13:01

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		63 - 144		09/05/23 13:01	1
4-Bromofluorobenzene (Surr)	117		74 - 124		09/05/23 13:01	1
Dibromofluoromethane (Surr)	110		75 - 131		09/05/23 13:01	1
Toluene-d8 (Surr)	102		80 - 120		09/05/23 13:01	1

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-120121/3

Matrix: Water

Analysis Batch: 120121

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04759		mg/L		95	75 - 125	
Toluene	0.0500	0.04602		mg/L		92	70 - 130	
Ethylbenzene	0.0500	0.04577		mg/L		92	75 - 125	
m,p-Xylenes	0.0500	0.04740		mg/L		95	75 - 125	
o-Xylene	0.0500	0.04803		mg/L		96	75 - 125	

LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 97 63 - 144 4-Bromofluorobenzene (Surr) 93 74 - 124 Dibromofluoromethane (Surr) 99 75 - 131 Toluene-d8 (Surr) 100 80 - 120

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

Matrix: Water

Analysis Batch: 120121

Lab Sample ID: LCSD 860-120121/4

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.0500 0.05055 75 - 125 mg/L 101 6 25 Toluene 0.0500 0.05019 100 70 - 130 25 mg/L 9 25 Ethylbenzene 0.0500 0.04955 mg/L 99 75 - 125 8 m,p-Xylenes 0.0500 0.05032 101 75 - 125 25 mg/L 75 - 125 0.0500 0.04925 o-Xylene mg/L 99 25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 144
4-Bromofluorobenzene (Surr)	95		74 - 124
Dibromofluoromethane (Surr)	99		75 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 820-9911-C-1 MS

Matrix: Water

Analysis Batch: 120121

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

•	Sample Samp	ole Spike	MS	MS				%Rec	
Analyte	Result Quali	ifier Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.00428	0.0500	0.05265		mg/L		97	66 - 142	
Toluene	0.0118	0.0500	0.05888		mg/L		94	59 - 139	
Ethylbenzene	0.00275	0.0500	0.05022		mg/L		95	75 - 125	
m,p-Xylenes	<0.0100 U	0.0500	0.05123		mg/L		96	75 - 125	
o-Xylene	0.00161	0.0500	0.04908		mg/L		95	75 - 125	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104	-	63 - 144
4-Bromofluorobenzene (Surr)	91		74 - 124
Dibromofluoromethane (Surr)	100		75 - 131
Toluene-d8 (Surr)	99		80 - 120

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-120122/9

Matrix: Water

Analyte Benzene Toluene Ethylbenzene m,p-Xylenes o-Xylene Xylenes, Total

Analysis Batch: 120122

Client Sample ID: Mo	ethod Blank
Prep Ty	pe: Total/NA

MB	MB						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00100	U	0.00100	mg/L			09/05/23 13:01	1
<0.00100	U	0.00100	mg/L			09/05/23 13:01	1
<0.00100	U	0.00100	mg/L			09/05/23 13:01	1
<0.0100	U	0.0100	mg/L			09/05/23 13:01	1
<0.00100	U	0.00100	mg/L			09/05/23 13:01	1
< 0.0100	U	0.0100	mg/L			09/05/23 13:01	1
	Result <0.00100 <0.00100 <0.00100 <0.0100 <0.0100	MB MB Qualifier	Result Qualifier RL <0.00100	Result Qualifier RL Unit <0.00100	Result Qualifier RL Unit D <0.00100	Result Qualifier RL Unit D Prepared <0.00100	Result Qualifier RL Unit D Prepared Analyzed <0.00100

MB MB Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 1,2-Dichloroethane-d4 (Surr) 106 63 - 144 09/05/23 13:01 4-Bromofluorobenzene (Surr) 117 74 - 124 09/05/23 13:01 75 - 131 Dibromofluoromethane (Surr) 110 09/05/23 13:01 Toluene-d8 (Surr) 102 80 - 120 09/05/23 13:01

0.0500

0.0500

0.0500

0.04577

0.04740

0.04803

Lab Sample ID: LCS 860-120122/3

Matrix: Water

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m,p-Xylenes

Analysis Batch: 120122

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

75 - 125

75 - 125

75 - 125

LCS LCS Spike %Rec Added Result Qualifier Limits Unit %Rec 0.0500 0.04759 95 75 - 125 mg/L 0.0500 0.04602 mg/L 92 70 - 130

mg/L

mg/L

mg/L

LCS LCS

Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 97 63 - 144 4-Bromofluorobenzene (Surr) 93 74 - 124 Dibromofluoromethane (Surr) 99 75 - 131 Toluene-d8 (Surr) 100 80 - 120

Lab Sample ID: LCSD 860-120122/4

Matrix: Water

Analysis Batch: 120122

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

92

95

96

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.05055		mg/L		101	75 - 125	6	25
Toluene	0.0500	0.05019		mg/L		100	70 - 130	9	25
Ethylbenzene	0.0500	0.04955		mg/L		99	75 - 125	8	25
m,p-Xylenes	0.0500	0.05032		mg/L		101	75 - 125	6	25
o-Xylene	0.0500	0.04925		mg/L		99	75 - 125	3	25

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		63 - 144
4-Bromofluorobenzene (Surr)	95		74 - 124
Dibromofluoromethane (Surr)	99		75 - 131
Toluene-d8 (Surr)	102		80 - 120

Client: TRC Solutions, Inc. Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1 SDG: Hobbs Station

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 820-9911-C-1 MS

Matrix: Water

Analysis Batch: 120122

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

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.00428		0.0500	0.05265		mg/L		97	66 - 142
Toluene	0.0118		0.0500	0.05888		mg/L		94	59 - 139
Ethylbenzene	0.00275		0.0500	0.05022		mg/L		95	75 - 125
m,p-Xylenes	<0.0100	U	0.0500	0.05123		mg/L		96	75 - 125
o-Xylene	0.00161		0.0500	0.04908		mg/L		95	75 - 125

Limits

MS MS Surrogate %Recovery Qualifier 104

1,2-Dichloroethane-d4 (Surr) 63 - 144 4-Bromofluorobenzene (Surr) 91 74 - 124 Dibromofluoromethane (Surr) 100 75 - 131 Toluene-d8 (Surr) 99 80 - 120

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

Lab Sample ID: MB 860-120092/1-A

Matrix: Water

Analysis Batch: 120111

MB MB

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 120092

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <5.00 U 5.00 09/05/23 09:30 09/05/23 18:18 mg/L (GRO)-C6-C10 Diesel Range Organics (Over <5.00 U 5.00 09/05/23 09:30 09/05/23 18:18 mg/L C10-C28) Oll Range Organics (Over C28-C36) <5.00 U 5.00 mg/L 09/05/23 09:30 09/05/23 18:18

MB MB Qualifier Surrogate Limits Prepared Dil Fac %Recovery Analyzed 1-Chlorooctane 70 - 135 09/05/23 09:30 09/05/23 18:18 83 o-Terphenyl 93 09/05/23 09:30 09/05/23 18:18 70 - 135

Lab Sample ID: LCS 860-120092/2-A

Matrix: Water

Analysis Batch: 120111

Client Sample ID: Lab Control Sample Prep Type: Total/NA **Prep Batch: 120092**

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits 94.42 Gasoline Range Organics 100 mg/L 94 70 - 135 (GRO)-C6-C10 99.9 103.1 103 70 - 135 Diesel Range Organics (Over mg/L C10-C28)

LCS	LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	94		70 - 135
o-Terphenyl	99		70 - 135

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

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

Lab Sample ID: LCSD 860-120092/3-A **Matrix: Water**

Analysis Batch: 120111

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA **Prep Batch: 120092**

Analysis Daton. 120111							i icp b	ACOII. 12	-0002
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	100	98.72		mg/L		99	70 - 135	4	35
(GRO)-C6-C10									
Diesel Range Organics (Over	99.9	104.7		mg/L		105	70 - 135	2	35
040 000\									

C10-C28)

Matrix: Water

Analysis Batch: 120111

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	88		70 - 135
o-Terphenyl	97		70 - 135

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 120092

%Rec Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <4.80 U 99.0 88.79 90 70 - 135 mg/L (GRO)-C6-C10 Diesel Range Organics (Over 99.0 <4.80 U 96.15 mg/L 96 70 - 135 C10-C28)

MS MS

Lab Sample ID: 860-56065-K-3-F MS

Surrogate	%Recovery Qualifie	er Limits
1-Chlorooctane	93	70 - 135
o-Terphenyl	99	70 - 135

Lab Sample ID: MB 880-61669/1-A **Client Sample ID: Method Blank Matrix: Solid**

Analysis Batch: 61701

MB MB

Prep Type: Total/NA Prep Batch: 61669

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 08/31/23 13:54 09/01/23 19:02 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 08/31/23 13:54 09/01/23 19:02 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 08/31/23 13:54 09/01/23 19:02

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	161	S1+	70 - 130	08/31/23 13:54	09/01/23 19:02	1
o-Terphenyl	145	S1+	70 - 130	08/31/23 13:54	09/01/23 19:02	1

Lab Sample ID: LCS 880-61669/2-A

Matrix: Solid

Analysis Batch: 61701

Clie	nt Sai	mple ID	: Lab Control Sample
			Prep Type: Total/NA
			Prep Batch: 61669
			%Rec
l lmi4	n	0/ Boo	Limita

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	990.0		mg/Kg		99	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	923.8		mg/Kg		92	70 - 130	
C10-C28)								

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1

SDG: Hobbs Station

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

Lab Sample ID: LCS 880-61669/2-A

Matrix: Solid

Analysis Batch: 61701

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 61669

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 111
 70 - 130

 o-Terphenyl
 113
 70 - 130

Lab Sample ID: LCSD 880-61669/3-A

Matrix: Solid

Analysis Batch: 61701

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 61669

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 1026 mg/Kg 103 70 - 130 4 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 909.5 mg/Kg 91 70 - 130 2 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: 880-32748-4 MS

Matrix: Solid

Analysis Batch: 61701

Client Sample ID: SB-2 @ 30

Prep Type: Total/NA

Prep Batch: 61669

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	995	957.1		mg/Kg	_	91	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.4	U	995	1276		mg/Kg		125	70 - 130	

C10-C20)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 138
 S1+
 70 - 130

 o-Terphenyl
 107
 70 - 130

Lab Sample ID: 880-32748-4 MSD

Matrix: Solid

Analysis Batch: 61701

Client Sample ID: SB-2 @ 30

Prep Batch: 61669

Prep Batch: 61669

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	995	969.1		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over	<50.4	U	995	1282		mg/Kg		125	70 - 130	0	20

C10-C28)

MSD	MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	107		70 - 130

Eurofins Midland

2

3

4

6

7

9

4 4

12

9/6/2023

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Matrix Spike

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Soluble

RPD

SDG: Hobbs Station

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-120124/3

Matrix: Water

Analysis Batch: 120124

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 0.500 09/05/23 10:14 Chloride <0.500 U mg/L

Lab Sample ID: MB 860-120124/48 Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA**

Analysis Batch: 120124

MB MB Result Qualifier RL Unit Prepared Analyzed Dil Fac Analyte 0.500 09/06/23 00:47 Chloride < 0.500 U mq/L

Lab Sample ID: LCS 860-120124/49 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 120124

Spike LCS LCS %Rec Added Result Qualifier Limits **Analyte** Unit %Rec Chloride 10.0 10.04 90 - 110 mg/L

Lab Sample ID: LCSD 860-120124/50 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Water

Analysis Batch: 120124

Spike LCSD LCSD %Rec **RPD** Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 10.0 9.992 mg/L 100 90 - 110

Lab Sample ID: LLCS 860-120124/7

Matrix: Water

Analysis Batch: 120124

LLCS LLCS Spike %Rec Analyte Added Result Qualifier Limits Unit %Rec Chloride 0.500 0.5118 102 50 - 150 mg/L

Lab Sample ID: 820-9884-A-1 MS

Matrix: Water

Analysis Batch: 120124

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier %Rec Analyte Unit Limits 10.0 Chloride 151 159.1 4 mg/L 84 90 - 110

Lab Sample ID: 820-9884-A-1 MSD

Matrix: Water

Analysis Batch: 120124

Sample Sample Spike MSD MSD %Rec

Result Qualifier Added Analyte Result Qualifier Unit Limits RPD Limit D %Rec Chloride 10.0 159.0 83 151 4 mg/L 90 - 110

Lab Sample ID: MB 880-61617/1-A

Matrix: Solid

Analysis Batch: 61691

MB MB

Result Qualifier RL Unit Analyte D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 08/31/23 23:15 mg/Kg

QC Sample Results

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-61617/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 61691

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit Limits %Rec Chloride 250 253.3 mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-61617/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 61691

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 252.4 90 - 110 mg/Kg 101 0

Lab Sample ID: 880-32739-A-1-B MS **Client Sample ID: Matrix Spike Matrix: Solid Prep Type: Soluble**

Analysis Batch: 61691

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec Chloride 827 F1 252 1038 F1 mg/Kg

Lab Sample ID: 880-32739-A-1-C MSD

Matrix: Solid

Analysis Batch: 61691

Spike MSD MSD %Rec **RPD** Sample Sample Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits RPD Limit Chloride 827 F1 252 1037 F1 mg/Kg 83 90 - 110

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1

SDG: Hobbs Station

GC/MS VOA

Prep Batch: 119898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-1	SB-2 @ 15	Total/NA	Solid	5035	
860-56384-C-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-32748-1 MS	SB-2 @ 15	Total/NA	Solid	5035	

Analysis Batch: 120057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-2	SB-2 @ 20	Total/NA	Solid	8260C	120075
880-32748-3	SB-2 @ 25	Total/NA	Solid	8260C	120075
880-32748-4	SB-2 @ 30	Total/NA	Solid	8260C	120075
880-32748-5	SB-2 @ 35	Total/NA	Solid	8260C	120075
880-32748-6	SB-2 @ 40	Total/NA	Solid	8260C	120075
MB 860-120057/9	Method Blank	Total/NA	Solid	8260C	
LCS 860-120057/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-120057/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
860-56384-C-1-A MS	Matrix Spike	Total/NA	Solid	8260C	119898

Analysis Batch: 120060

Lab Sample ID 880-32748-1	Client Sample ID SB-2 @ 15	Prep Type Total/NA	Matrix Solid	Method 8260C	Prep Batch 119898
MB 860-120060/10	Method Blank	Total/NA	Solid	8260C	
LCS 860-120060/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-120060/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
880-32748-1 MS	SB-2 @ 15	Total/NA	Solid	8260C	119898

Prep Batch: 120075

Lab Sample ID 880-32748-2	Client Sample ID SB-2 @ 20	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
880-32748-3	SB-2 @ 25	Total/NA	Solid	5035	
880-32748-4	SB-2 @ 30	Total/NA	Solid	5035	
880-32748-5	SB-2 @ 35	Total/NA	Solid	5035	
880-32748-6	SB-2 @ 40	Total/NA	Solid	5035	

Analysis Batch: 120121

Lab Sample ID 880-32748-11	Client Sample ID EB-083023	Prep Type Total/NA	Matrix Water	Method Prep Batch 8260C
MB 860-120121/9	Method Blank	Total/NA	Water	8260C
LCS 860-120121/3	Lab Control Sample	Total/NA	Water	8260C
LCSD 860-120121/4	Lab Control Sample Dup	Total/NA	Water	8260C
820-9911-C-1 MS	Matrix Spike	Total/NA	Water	8260C

Analysis Batch: 120122

Lab Sample ID 880-32748-12	Client Sample ID Trip Blank	Prep Type Total/NA	Matrix Water	Method 8260D	Prep Batch
MB 860-120122/9	Method Blank	Total/NA	Water	8260D	
LCS 860-120122/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 860-120122/4	Lab Control Sample Dup	Total/NA	Water	8260D	
820-9911-C-1 MS	Matrix Spike	Total/NA	Water	8260D	

Analysis Batch: 120154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-11	EB-083023	Total/NA	Water	Total BTEX	·

Client: TRC Solutions, Inc.

Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

GC/MS VOA

Analysis Batch: 120203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-1	SB-2 @ 15	Total/NA	Solid	Total BTEX	
880-32748-2	SB-2 @ 20	Total/NA	Solid	Total BTEX	
880-32748-3	SB-2 @ 25	Total/NA	Solid	Total BTEX	
880-32748-4	SB-2 @ 30	Total/NA	Solid	Total BTEX	
880-32748-5	SB-2 @ 35	Total/NA	Solid	Total BTEX	
880-32748-6	SB-2 @ 40	Total/NA	Solid	Total BTEX	
880-32748-12	Trip Blank	Total/NA	Water	Total BTEX	

GC Semi VOA

Prep Batch: 61669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-1	SB-2 @ 15	Total/NA	Solid	8015NM Prep	
880-32748-2	SB-2 @ 20	Total/NA	Solid	8015NM Prep	
880-32748-3	SB-2 @ 25	Total/NA	Solid	8015NM Prep	
880-32748-4	SB-2 @ 30	Total/NA	Solid	8015NM Prep	
880-32748-5	SB-2 @ 35	Total/NA	Solid	8015NM Prep	
880-32748-6	SB-2 @ 40	Total/NA	Solid	8015NM Prep	
MB 880-61669/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-61669/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-61669/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-32748-4 MS	SB-2 @ 30	Total/NA	Solid	8015NM Prep	
880-32748-4 MSD	SB-2 @ 30	Total/NA	Solid	8015NM Prep	

Analysis Batch: 61701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-1	SB-2 @ 15	Total/NA	Solid	8015B NM	61669
880-32748-2	SB-2 @ 20	Total/NA	Solid	8015B NM	61669
880-32748-3	SB-2 @ 25	Total/NA	Solid	8015B NM	61669
880-32748-4	SB-2 @ 30	Total/NA	Solid	8015B NM	61669
880-32748-5	SB-2 @ 35	Total/NA	Solid	8015B NM	61669
880-32748-6	SB-2 @ 40	Total/NA	Solid	8015B NM	61669
MB 880-61669/1-A	Method Blank	Total/NA	Solid	8015B NM	61669
LCS 880-61669/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	61669
LCSD 880-61669/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	61669
880-32748-4 MS	SB-2 @ 30	Total/NA	Solid	8015B NM	61669
880-32748-4 MSD	SB-2 @ 30	Total/NA	Solid	8015B NM	61669

Analysis Batch: 61803

Lab Sample ID 880-32748-1	Client Sample ID SB-2 @ 15	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
880-32748-2	SB-2 @ 20	Total/NA	Solid	8015 NM	
880-32748-3	SB-2 @ 25	Total/NA	Solid	8015 NM	
880-32748-4	SB-2 @ 30	Total/NA	Solid	8015 NM	
880-32748-5	SB-2 @ 35	Total/NA	Solid	8015 NM	
880-32748-6	SB-2 @ 40	Total/NA	Solid	8015 NM	

Analysis Batch: 101425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-11	EB-083023	Total/NA	Water	8015 NM	

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1 SDG: Hobbs Station

GC Semi VOA

Prep Batch: 120092

Lab Sample ID 880-32748-11	Client Sample ID EB-083023	Prep Type Total/NA	Matrix Water	Method Prep Batch 8015NM Aq Prep
MB 860-120092/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep
LCS 860-120092/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep
LCSD 860-120092/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep
860-56065-K-3-F MS	Matrix Spike	Total/NA	Water	8015NM Aq Prep

Analysis Batch: 120111

Lab Sample ID 880-32748-11	Client Sample ID EB-083023	Prep Type Total/NA	Matrix Water	Method 8015B NM	Prep Batch 120092
MB 860-120092/1-A	Method Blank	Total/NA	Water	8015B NM	120092
LCS 860-120092/2-A	Lab Control Sample	Total/NA	Water	8015B NM	120092
LCSD 860-120092/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	120092
860-56065-K-3-F MS	Matrix Spike	Total/NA	Water	8015B NM	120092

HPLC/IC

Leach Batch: 61617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-1	SB-2 @ 15	Soluble	Solid	DI Leach	
880-32748-2	SB-2 @ 20	Soluble	Solid	DI Leach	
880-32748-3	SB-2 @ 25	Soluble	Solid	DI Leach	
880-32748-4	SB-2 @ 30	Soluble	Solid	DI Leach	
880-32748-5	SB-2 @ 35	Soluble	Solid	DI Leach	
880-32748-6	SB-2 @ 40	Soluble	Solid	DI Leach	
MB 880-61617/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-61617/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-61617/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-32739-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-32739-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 61691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-32748-1	SB-2 @ 15	Soluble	Solid	300.0	61617
880-32748-2	SB-2 @ 20	Soluble	Solid	300.0	61617
880-32748-3	SB-2 @ 25	Soluble	Solid	300.0	61617
880-32748-4	SB-2 @ 30	Soluble	Solid	300.0	61617
880-32748-5	SB-2 @ 35	Soluble	Solid	300.0	61617
880-32748-6	SB-2 @ 40	Soluble	Solid	300.0	61617
MB 880-61617/1-A	Method Blank	Soluble	Solid	300.0	61617
LCS 880-61617/2-A	Lab Control Sample	Soluble	Solid	300.0	61617
LCSD 880-61617/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	61617
880-32739-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	61617
880-32739-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	61617

Analysis Batch: 120124

Lab Sample ID 880-32748-11	Client Sample ID EB-083023	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
MB 860-120124/3	Method Blank	Total/NA	Water	300.0	
MB 860-120124/48	Method Blank	Total/NA	Water	300.0	
LCS 860-120124/49	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-120124/50	Lab Control Sample Dup	Total/NA	Water	300.0	

Eurofins Midland

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Job ID: 880-32748-1 Client: TRC Solutions, Inc. Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

HPLC/IC (Continued)

Analysis Batch: 120124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 860-120124/7	Lab Control Sample	Total/NA	Water	300.0	
820-9884-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
820-9884-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Client Sample ID: SB-2 @ 15

Date Collected: 08/30/23 10:15 Date Received: 08/31/23 09:10

Lab Sample ID: 880-32748-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	119898	09/01/23 13:49	MTMG	EET HOU
Total/NA	Analysis	8260C		1000	5 mL	5 mL	120060	09/05/23 12:21	KLV	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			61803	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	61669	08/31/23 13:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 21:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	61617	08/31/23 10:42	SMC	EET MID
Soluble	Analysis	300.0		1			61691	09/01/23 00:26	CH	EET MID

Client Sample ID: SB-2 @ 20 Lab Sample ID: 880-32748-2 Date Collected: 08/30/23 10:30 **Matrix: Solid**

Date Received: 08/31/23 09:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	120075	09/05/23 09:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	120057	09/05/23 13:52	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			61803	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	61669	08/31/23 13:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 21:53	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	61617	08/31/23 10:42	SMC	EET MID
Soluble	Analysis	300.0		1			61691	09/01/23 00:50	CH	EET MID

Client Sample ID: SB-2 @ 25 Lab Sample ID: 880-32748-3

Date Collected: 08/30/23 10:45 Date Received: 08/31/23 09:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	120075	09/05/23 09:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	120057	09/05/23 14:14	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			61803	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	61669	08/31/23 13:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 22:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	61617	08/31/23 10:42	SMC	EET MID
Soluble	Analysis	300.0		1			61691	09/01/23 00:58	CH	EET MID

Client Sample ID: SB-2 @ 30 Lab Sample ID: 880-32748-4 Date Collected: 08/30/23 11:00 **Matrix: Solid**

Date Received: 08/31/23 09:10

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	120075	09/05/23 09:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	120057	09/05/23 14:37	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU

Eurofins Midland

Matrix: Solid

Client: TRC Solutions, Inc.

Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Lab Sample ID: 880-32748-4

Client Sample ID: SB-2 @ 30 Date Collected: 08/30/23 11:00 Date Received: 08/31/23 09:10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			61803	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	61669	08/31/23 13:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 20:06	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	61617	08/31/23 10:42	SMC	EET MID
Soluble	Analysis	300.0		1			61691	09/01/23 01:06	CH	EET MID

Lab Sample ID: 880-32748-5 Client Sample ID: SB-2 @ 35 Date Collected: 08/30/23 11:45

Date Received: 08/31/23 09:10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	120075	09/05/23 09:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	120057	09/05/23 15:00	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			61803	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	61669	08/31/23 13:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 21:31	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	61617	08/31/23 10:42	SMC	EET MID
Soluble	Analysis	300.0		1			61691	09/01/23 01:14	CH	EET MID

Client Sample ID: SB-2 @ 40 Lab Sample ID: 880-32748-6 Date Collected: 08/30/23 12:00 **Matrix: Solid**

Date Received: 08/31/23 09:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	120075	09/05/23 09:00	MTMG	EET HOU
Total/NA	Analysis	8260C		1	5 mL	5 mL	120057	09/05/23 15:23	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			61803	09/05/23 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	61669	08/31/23 13:55	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	61701	09/01/23 22:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	61617	08/31/23 13:24	SMC	EET MID
Soluble	Analysis	300.0		1			61691	09/01/23 01:22	CH	EET MID

Client Sample ID: EB-083023 Lab Sample ID: 880-32748-11 Date Collected: 08/30/23 14:30 **Matrix: Water**

Date Received: 08/31/23 09:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	5 mL	5 mL	120121	09/05/23 13:21	JBS	EET HOU
Total/NA	Analysis	Total BTEX		1			120154	09/05/23 12:14	JBS	EET HOU
Total/NA	Analysis	8015 NM		1			101425	09/05/23 16:24	CZT	EET HOU
Total/NA	Prep	8015NM Aq Prep			31.10 mL	3 mL	120092	09/05/23 09:30	TH	EET HOU
Total/NA	Analysis	8015B NM		1			120111	09/05/23 20:06	T1S	EET HOU

Lab Chronicle

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

SDG: Hobbs Station

Lab Sample ID: 880-32748-11

Client Sample ID: EB-083023 Lab Sample Date Collected: 08/30/23 14:30

Matrix: Water

Matrix: Water

Job ID: 880-32748-1

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Method Factor Number or Analyzed Type Run **Amount Amount** Analyst Lab Total/NA Analysis 300.0 120124 09/06/23 01:46 A1S EET HOU

 Total/NA
 Analysis
 300.0
 1
 120124
 09/06/23 01:46
 A1S
 EET HOU

 Client Sample ID: Trip Blank
 Lab Sample ID: 880-32748-12

Date Collected: 08/30/23 00:00 Date Received: 08/31/23 09:10

Date Received: 08/31/23 09:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	120122	09/05/23 13:42	JBS	EET HOU
Total/NA	Analysis	Total BTEX		1			120203	09/05/23 16:24	KLV	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: TRC Solutions, Inc. Job ID: 880-32748-1 Project/Site: HEP Hobbs Station TK 5202 SDG: Hobbs Station

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-23-26	06-30-24
The following analyte	s are included in this reno	ort but the laboratory is r	not certified by the governing authority	This list may include analytes for wh
The following analyte the agency does not o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for wh
,	•	rt, but the laboratory is r Matrix	not certified by the governing authority. Analyte	This list may include analytes for wh

Laboratory: Eurofins Houston

Total BTEX

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

Water

Authority	Pi	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704215-23-51	06-30-24
• • •		ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o		Matrix	Analyta	
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Water	Total TPH	
8015B NM	8015NM Aq Prep	Water	Diesel Range Organics (Ove	er C10-C28)
8015B NM	8015NM Aq Prep	Water	Gasoline Range Organics (G	GRO)-C6-C10
8015B NM	8015NM Aq Prep	Water	Oll Range Organics (Over C	28-C36)

Total BTEX

Method Summary

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1

SDG: Hobbs Station

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET HOU
8260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5030C	Purge and Trap	SW846	EET HOU
5035	Closed System Purge and Trap	SW846	EET HOU
8015NM Aq Prep	Microextraction	SW846	EET HOU
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.

Project/Site: HEP Hobbs Station TK 5202

Job ID: 880-32748-1

SDG: Hobbs Station

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-32748-1	SB-2 @ 15	Solid	08/30/23 10:15	08/31/23 09:10	15
880-32748-2	SB-2 @ 20	Solid	08/30/23 10:30	08/31/23 09:10	20
880-32748-3	SB-2 @ 25	Solid	08/30/23 10:45	08/31/23 09:10	25
880-32748-4	SB-2 @ 30	Solid	08/30/23 11:00	08/31/23 09:10	30
880-32748-5	SB-2 @ 35	Solid	08/30/23 11:45	08/31/23 09:10	35
880-32748-6	SB-2 @ 40	Solid	08/30/23 12:00	08/31/23 09:10	40
880-32748-11	EB-083023	Water	08/30/23 14:30	08/31/23 09:10	
880-32748-12	Trip Blank	Water	08/30/23 00:00	08/31/23 09:10	

Received by OCD: 9/26/2023 3:37:34 PM

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Environment Testing









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



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eurofins

Environment Testing Xenco

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

Loc: 880	
32748	

Work Order No: _

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Eurofins Midland 1211 W Florida Ave Midland, TX 79701

Chain of Custody Record



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Phone: 432-704-5440	<u>_</u>											-1		•							
Client Information (Sub Contract Lab)	Sampler				mer J	essica	,						Carrier 7		No(s):		88	OC No: 80-7817 1			
Client Contact: Shipping/Receiving	Phone:			E-M Jes	sica.K						1		State of New M				P	age: age 1 of 1			
Company: Eurofins Environment Testing South Centr						ditation:			See n	ote):								ob #: 80-32748-1_			
Address: 4145 Greenbriar Dr	Due Date Request 9/5/2023	ed:							Aı	nalys	sis I	Req	ueste	:d		-	Pi	reservation C		Hexane	-
City: Stafford	TAT Requested (d	ays):	<u> </u>								Ī						-	B NaOH O ASNaO2 C Zn Acetate P Ne2O4S D Nitric Acid Q Na2SO3 E NaHSO4 R Na2SO3			
State, Zip: TX, 77477																	D		Na2SO3		
Phone: 281-240-4200(Tel)	PO #:								I TPH									G Amchlor S H2SO4 T TSP Dodeca	hydrate		
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Project Name: HEP Hobbs Station TK 5202	Project #: 88000601			ă	X Calo		Aq Pi		oride							K EDTA L EDA		Y Trizma Z other (specify)	y)		
Site:	SSOW#:				Calc BT	al BTE	¥	016NM		Š Č	Ĕ		1			o	ther				
Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, C=wasesiol BT=Tisaus, A=Ali	·)	8280C/5035FP_Calo BTEX	Total_BTEX/ Total BTEX Calculation	8260C/5030C BTEX	8015MOD_NM/8016NM_Aq_Prep Full TPH	8015MOD_Calc	300_ORGFM_28D/ Chloride	8260D/5030C BTEX	Total_BTEX					Special	Instru	ctions/No	ite:
SB-2 @ 15 (880-32748-1)	8/30/23	10:15 Mountain		Solid	П	х	Х												<u> کرن</u>		
SB-2 @ 20 (880-32748-2)	8/30/23	10:30 Mountain		Solid	Ш.	X	х												2.9		
SB-2 @ 25 (880-32748-3)	8/30/23	10:45 Mountain		Solid	Ш	×	X	_			_			_		\perp			<u>2.</u>	<u> </u>	
SB-2 @ 30 (880-32748-4)	8/30/23	11:00 Mountain		Solid	11	X	X				_			!					1.3		
SB-2 @ 35 (880-32748-5)	8/30/23	11:45 Mountain		Solid	Ш	X	X				_			_		\perp			<u> </u>	හ	
SB-2 @ 40 (880-32748-6)	8/30/23	12:00 Mountain		Solid	₩.	<u> </u>	X				_		Ц-	┷					<u>2.</u> ۲	1	
EB-083023 (880-32748-11)	8/30/23	14:30 Mountain		Water	##	 	X	X	Х	×	X		_	4_	_	\perp			2	<u>1 </u>	
Trip Blank (880-32748-12)	8/30/23	Mountain	 	Water	₩	-		_				Х	X	 		\perp	Н.,	<u> </u>			
<u> </u>		<u></u>			<u> 11</u>		l														
Note: Since laboratory accreditations are subject to change, Eurofins Environmen laboratory does not currently maintain accreditation in the State of Origin listed at accreditation status should be brought to Eurofins Environment Testing South Ce	ove for analysis/tests	vmatrix being a	analyzed, the sa	imples must b	e shippe	d back	to the	Eurofi	ins En	vironm	ent T	esting	South C	entral, L	LC labor	atory or of	ther ins	structions will be	provide	d. Any chang	ges to
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Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-32748-1

SDG Number: Hobbs Station

Login Number: 32748 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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	True	

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<6mm (1/4").

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-32748-1

SDG Number: Hobbs Station

Login Number: 32748
List Source: Eurofins Houston
List Number: 2
List Creation: 09/01/23 11:22 AM

Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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 Data Review Checklist

Site: Hobbs Station Tank 5202 Laboratory: Eurofins Midland and Eurofins Houston

Location: Hobbs, NM

Client Name: HEP

Project #: 528833

Lab Report #: 880-32748-1

Reviewer: A. Eljuri

Peer Reviewer: L. Denly

Review Date: 9/13/2023

Analytical Method(s): Matrices Sampled: Sample Collection Date(s):

BTEX by Method 8260C; TPH (GRO, DRO, ORO, and Total) by Method 8015B NM; Chloride by EPA 300.0 Soil, aqueous quality control (QC) sample

Sampling Objective(s):

Collect confirmation soil samples at a release site.

Sample IDs (List IDs or attach COC):

Refer to data package sample summary.

Revie	ew Item or Question	Υ	N	NA	Comments
Chain-	of-Custody and Data Completeness				
1	Was COC appropriately completed?		Х		The initial relinquish time and date from Eurofins Midland to FedEx is missing.
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	Х			
4	Are results reported for all analytical methods requested?	Х			The Eurofins Houston laboratory reported Total BTEX (solid and water), Total TPH (water), and TPH GRO/DRO/ORO (water) and the Eurofins Midland laboratory reported Total TPH (solid), which are not offered for accreditation.
5	Are results reported for all samples submitted for analysis?	Χ			
6	Were the requested analytical methods used?	Χ			
7	Are results reported for all target analytes, but no additional analytes?	х			TPH ORO instead of TPH MRO per the COC was reported. The laboratory confirmed TPH ORO and TPH MRO report the same ranges.
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		х		The site is regulated under the New Mexico Oil Conservation District and reporting results on a dry weight basis is not a project requirement.
9	If requested, were detected results below reporting limit (i.e., "J" values) reported?			Х	
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	Х			
Sampl	e Preservation				
11a	Did samples arrive at the laboratory appropriately preserved?			Х	
11b	Was the cooler temperature between 0-6°C?	Х			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			Х	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		х		Soil samples were collected in unpreserved bulk jars, which is an acceptable collection method for BTEX and TPH analyses for the New Mexico Oil Conservation District.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	Х			

November 2022
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Analytical Data Review Checklist

Revi	ew Item or Question	Υ	N	NA	Comments
13	Were any issues noted by the laboratory upon receipt?		х		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			х	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			х	
Holdir	g Times				
15	Were sample preparation and analysis holding time requirements met?	Х			
Repor	ting Limits				
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	Х			All non-detect results had reporting limits below project criteria.
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).	Х			SB-2 @ 15: BTEX 1,000-fold
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?	х			Per the Case Narrative, the sample listed in Item 17 was diluted due to the nature of the sample matrix.
QC R	esults				
Blanks					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		х		
20	Does each analytical or preparation batch have its own method blank?	Х			
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			There were no detections in the Trip Blank. Chloride was detected in equipment blank EB-083023 at 1.75 mg/L. The initial prep factor is 10 for all Method 300.0 soil samples per the lab; therefore, the EB-083023 chloride concentration used to evaluate project samples is 17.5 mg/kg.
22	Are there any potential false positive results based on questions 19 and/or 21?	Х			Chloride results in project samples were detected less than 10x the equipment blank detection; therefore, project samples 880-32748-1 through 880-32748-6 may include field contamination from inadequate field decontamination.
Labora	atory Control Spikes				
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	Х			Total xylenes and TPH ORO are not reported in any LCS or LCSD.
24	Does each analytical or preparation batch have its own LCS?	Х			
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	Х			
Matrix	Spikes				
26	Are MS/MSD recoveries within QC limits? If no, list analytes affected, the MS/MSD recoveries and the sample that was spiked.	х			MS and/or MSDs were performed on sample SB-2 @ 15 for BTEX (except total xylenes) and SB-2 @ 30 for TPH. MS/MSDs were also performed on non-project samples; non-project sample MS/MSD results were not evaluated during this review.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.		Х		The MS recoveries for toluene (64%), ethylbenzene (76%), and m,p-xylenes (75%) in sample SB-2 @ 15 were below laboratory-defined limits (74-122%, 80-123%, and 78-127%, respectively). Therefore, the detected toluene, ethylbenzene, and m,p-xylenes results in sample SB-2 @ 15 may be considered estimated, biased low.



Analytical Data Review Checklist

Revi	ew Item or Question	Υ	N	NA	Comments
Surro	gates				
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		×		In sample SB-2 @ 15, surrogate 1-chlorooctane (152%) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. Therefore, detected TPH GRO, TPH DRO, and Total TPH results in sample SB-2 @ 15 may be considered estimated, biased high. In samples SB-2 @ 20, SB-2 @ 25, and SB-2 @ 35, surrogate 1-chlorooctane (139%, 145%, and 140%, respectively) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. Therefore, detected TPH DRO and Total TPH results in samples SB-2 @ 20, SB-2 @ 25, and SB-2 @ 35 may be considered estimated, biased high. In samples SB-2 @ 30 and SB-2 @ 40, surrogate 1-chlorooctane (144% and 152%, respectively) recovered above the laboratory-defined limit (70-130%) in the TPH analysis. TPH was not detected in samples SB-2 @ 30 and SB-2 @ 40, so there is no impact on data usability due to this issue.
Duplic	ates				
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			х	
30	Were field duplicate criteria met? If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples. NOTE: RPD ≤ 50% for soil samples when results are >3x the reporting limit; otherwise, AbsD > 2x reporting limit.			Х	
Do the	Data Make Sense?				
31	Did the case narrative describe any analytical anomalies (i.e., problems or unique occurrences) that have not already been addressed above? If yes, list the comments that have potential impact to sample results (or attach case narrative and highlight the comments that have potential impact to sample results).		x		
32	Were any other potential data quality issues identified? If yes, describe issues.		Х		
33	Do any results look questionable? If yes, ASK THE LAB.		Х		
34	Has the EDD been compared to the lab report?			Х	
Additio	onal Comments:				

Notes:

Reference: EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020)

Abbreviations:

AbsD = Absolute Difference

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

MRO = Motor Range Organics

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

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

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 269294

CONDITIONS

Operator:	OGRID:
HOLLY ENERGY PARTNERS - OPERATING, LP	282505
1602 W. Main St.	Action Number:
Artesia, NM 88210	269294
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Cre By	eated	Condition	Condition Date
n	velez	Remediation plan is approved. Operator has 90-days (Due date: March 13, 2024) to submit it's appropriate or remediation closure report.	12/14/2023