



SITE CHARACTERIZATION REPORT AND SITE CLOSURE REQUEST

Younger Junction Release
Latitude 32.816957°, Longitude -103.990719°
Eddy County, New Mexico
NMOCD No. nAPP2501352512

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June 12, 2025

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- Appendix A Release Notification and Corrective Action Form (NMOCD Form C-141)
- Appendix B Copies of NMOCD Communications
- Appendix C Photographic Documentation
- Appendix D Laboratory Analytical Reports
- Appendix E Waste Manifests



1.0 INTRODUCTION

TRC Environmental Corporation (TRC), on behalf of Holly Energy Partners – Operating, L.P. (HEP), has prepared this *Site Characterization Report and Site Closure Request* for a crude oil release at Younger Junction (site), a pipeline station located in the Section 20, Township 17 South, Range 30 East, Eddy County, New Mexico. The property is owned by the Bureau of Land Management, who was notified of the release on January 13, 2025. The global positioning system (GPS) coordinates for the release point are Latitude 32.816957°, Longitude - 103.990719°. The area surrounding the site to the north, east, and west is industrial and used for oil and gas transportation and storage activities; the area south of the site is pastureland. The location of the site is depicted on Figure 1.

2.0 BACKGROUND

A release of approximately 33 barrels of crude oil occurred at the site on January 13, 2025, due to human error. The release was reported to the New Mexico Oil Conservation Division (NMOCD) on January 13, 2025, on their online portal utilizing the Notice of Release (NOR) function and was assigned incident ID No. nAPP2501352512. An initial C-141 was submitted through the portal to include volume calculations on January 13, 2025. The NOR application and initial C-141 are presented in Appendix A.

Immediately following identification of the release, temporary berms were erected surrounding the release area and a vacuum truck was utilized to recover approximately 30 barrels of the released crude oil. The crude oil-affected soil footprint was approximately 1,600 square feet and included a caliche pad and adjacent pastureland. The facility fenceline was removed and affected soils were initially excavated to approximately 1 foot below ground surface (bgs) based on field observations (visual and olfactory) and stockpiled on plastic sheeting immediately north of the release location.

Soil assessment and delineation activities were conducted by TRC in January 2025 using a hand auger. Soil samples were collected to determine the lateral and vertical extent of remaining total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene, and xylenes (BTEX); and/or chloride concentrations at the site. The January 2025 assessment and delineation activities are discussed in Section 4.

On April 11, 2025, HEP provided a verbal update to Mr. Michael Bratcher of NMOCD, including a request for a 60-day extension (i.e., to June 12, 2025) to conduct additional excavation and disposal of affected soil; the extension request was verbally approved by Mr. Bratcher during the telephone call. On behalf of HEP, TRC notified the NMOCD via email on April 11, 2025, that additional excavation and disposal of affected soil would be conducted during the 60-day extension. Copies of NMOCD communications are provided in Appendix B.



From April 15, 2025, through May 15, 2025, additional excavation activities were conducted by TRC via hydro-vac and mechanical excavation using a backhoe. The excavation was backfilled with clean imported fill material. The April and May 2025 excavation and backfilling activities are discussed in Section 5.

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 footprint are shown on Figure 5.

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 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 Depth to Groundwater Records Research in Surrounding Area

Review of the New Mexico Office of the State Engineer (NMOSE) records indicated one well has been drilled or permitted within 0.5-mile of the release site, as depicted on Figure 2. Based on NMOSE records, well RA 11914 POD1 is located 0.4 miles north-northeast of the release and the depth to water is approximately 80 feet bgs. The well was drilled and gauged in 2013.

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 Eddy 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 release in the aerial photography shown on Figure 2 or appear on the topographic map shown on 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 release.
- 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 release. As shown on the aerial base map of Figure 2, there are residences located approximately 800 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 POD (RA 11914 POD1) is located approximately 0.4 miles north-northeast of the release. The well is listed by NMOSE as an exploratory well, is 85 feet deep, and is owned by Linn Energy.



- Within 1,000 feet of any fresh water well or spring.
 - No fresh water wells or springs are within 1,000 feet of the release.
- 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 release 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 release is not within the area overlying a subsurface mine.

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the release 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 is located outside of a 100-year floodplain. Figures 3 and 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. The Closure Criteria applicable for the site is for depth to groundwater from 51 to 100 feet bgs. A summary of the NMOCD Closure Criteria is provided in the table below and in Table 1.

NMOCD Closure Criteria

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

Notes: mg/kg = milligrams per kilogram
 bgs = below ground surface
 TPH = total petroleum hydrocarbons



GRO = gasoline range organics
DRO = diesel range organics
MRO = motor oil range organics
NA = not applicable
BTEX = benzene, toluene, ethylbenzene, and total xylenes
EPA = Environmental Protection Agency
Green Highlighting = Closure Criteria applicable to the site for soil below 4 feet bgs

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. Six shallow underground pipelines of unknown use were discovered during excavation and assessment activities. The lines are shown on Figure 5.

4.2 Depth to Groundwater

As discussed in Section 3, the depth to groundwater beneath the site is approximately 80 feet bgs. This is based on December 2013 depth to groundwater measurement from the exploration well RA 11914 drilled by Linn Energy located 0.4 miles north-northeast of the site. The location of well RA 11914 is shown on Figure 2.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 2. According to the NMOSE database, no domestic and/or public wells are located within 0.5-mile of the site.

4.4 Distance to Nearest Significant Watercourse

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

4.5 Site Characteristics

Site characteristics discussed in Section 4.5 refer to the January 2025 assessment and delineation results and April and May 2025 remediation activities. Cumulative soil sample analytical results are presented on Table 1.



4.5.1 January 2025 Assessment and Delineation

Initial assessment of the release area was conducted on January 22, 2025. Nine hand auger borings were advanced to depths ranging from 1 to 8 feet bgs to determine the lateral and vertical extent of crude oil-affected soil associated with the January 2025 release. Soil samples were collected at 1-foot intervals from 3 feet bgs in boring AH #1 and from the surface in borings AH #2, AH #3, and AH #4 to the total depth of each boring. Soil samples were collected from 0-1 feet bgs from borings LAT EAST #1, LAT EAST #2, LAT SOUTH #1, LAT WEST #1, and LAT WEST #2. Soil boring locations are depicted on Figure 5.

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 and TPH by EPA Method 8015M. The lithology was observed to consist of sandy and gravelly clay to a depth of 2 to 5 feet bgs, underlain by caliche to the total depth investigated of 8 feet bgs.

4.5.2 January 2025 Soil Sample Analytical Results and Delineation Status

Laboratory analytical results for the January 2025 soil samples were compared to the Reclamation Standards (i.e., the most stringent Closure Criteria) for soil in the upper 4 feet, and the NMOCD Closure Criteria for sites where groundwater is present from 51 to 100 feet bgs for soil at and beneath 4 feet bgs. The soil sample analytical results and Closure Criteria are summarized on Table 1.

Overall, the January 2025 assessment and delineation results indicated the following:

- Chloride did not exceed the Reclamation Standard in the uppermost 4 feet or the applicable Closure Criterion (for sites with groundwater from 51 to 100 feet bgs) at depths greater than 4 feet bgs.
- Lateral delineation of BTEX and TPH was achieved to below the Reclamation Standards in the uppermost 4 feet to the east, west, and south.
- Inside the former fenceline, vertical delineation of BTEX and TPH was achieved to below the applicable Closure Criteria (for sites with groundwater from 51 to 100 feet bgs) at a depth of 5 feet bgs.
- Outside the former fenceline and on the caliche pad (i.e., to the west and northwest of the release location), vertical delineation of BTEX and TPH was achieved to below the Reclamation Standards at depths ranging from 2 to 3 feet bgs.
- Outside the former fenceline and in the pasture (i.e., to the south of the release location), BTEX and TPH were not detected in exceedance of the Reclamation Standards.

Copies of the laboratory analytical reports and chain-of-custody documentation for the soil samples collected in January 2025 are provided in Appendix D.



5.0 REMEDIATION ACTIVITIES

Based on data collected during the January 2025 assessment activities, affected soils were excavated. Remedial excavation, disposal, and backfilling activities were conducted at the site from April to May 2025 and are described below in Sections 5.1 through 5.4.

- From April 15, 2025, to May 15, 2025, remedial excavation was performed, and confirmation soil samples were collected from the excavation bottoms and sidewalls. The lateral and vertical extent of the excavation was extended as needed until the BTEX, TPH, and/or chloride concentrations did not exceed Reclamation Standards and/or Closure Criteria in confirmation soil samples. A total of 420 cubic yards (cy) of affected soil were excavated and temporarily stockpiled for off-site disposal. Remediation activities are further described below in Section 5.1.
- From May 12 through May 21, 2025, 420 cy of stockpiled excavated soil was transported to Gandy Marley, Inc. near Lovington, New Mexico for disposal as non-hazardous waste. Waste transportation and disposal activities are further described below in Section 5.2.
- From May 21 to May 22, 2025, the excavated area was backfilled with clean backfill material. Backfilling is further described below in Section 5.3.

5.1 Remedial Excavation Activities

Affected soil within and adjacent to the release area was excavated and confirmation sampling from the excavation bottom and sidewalls was conducted between April 15 and May 15, 2025.

Several shallow underground pipelines are located within or adjacent to the release area and were encountered or detected during excavation activities. Sandbags and wooden pipe supports were used to ensure the lines within the excavation area were secure during remediation activities. The sandbags and pipe supports were removed upon backfilling. The locations of the underground pipelines encountered are shown on Figure 5.

A vacuum truck was initially used to hydro-excavate affected soils due to the presence of shallow pipelines within the release area. An excavator was used once the shallow pipelines were identified and exposed. All excavated soil was temporarily stockpiled on plastic sheeting or in lined and bermed drying pits.

The excavation was initially extended to a depth of 2 to 3 feet bgs outside of the former fenceline and 5 feet bgs within the former fenceline based on the January 2025 assessment data. Confirmation sidewall soil samples were collected in each cardinal direction at a minimum frequency of one sample per 200 square feet. Confirmation bottom samples were collected at a minimum frequency of one sample per 200 square feet. Samples were placed in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in



Midland, Texas for analysis of TPH by EPA Method 8015M, BTEX by EPA Method EPA 8021, and chloride by EPA method 300.1.

The detected benzene and/or total BTEX (i.e., the sum of benzene, toluene, ethylbenzene, and xylenes) concentrations and non-detect reporting limits did not exceed the Reclamation Standards in any confirmation sample in the upper 4 feet. Detected chloride concentrations exceeded the Reclamation Standard in one confirmation sample, sidewall sample SW-3N, in the upper 4 feet. Detected concentrations of total TPH (i.e., the sum of the sum of gasoline range organics [GRO], diesel range organics [DRO], and motor oil range organics [MRO]) exceeded the Reclamation Standard in several confirmation samples in the upper 4 feet, including sidewall samples SW-3E and SW-3N and bottom confirmation samples BS-2A-2, BS-2B-2, BS-2C-2, BS-2D, BS-1A-3, and BS-1B-3. The detected benzene, total BTEX, total TPH, TPH GRO+DRO (i.e., the sum of GRO and DRO), and chloride concentrations and non-detect reporting limits did not exceed the Closure Criteria in any confirmation sample collected at or below 4 feet bgs.

Within the former fenceline, the excavation sidewall was laterally extended approximately 2 feet to the east at sidewall sample SW-3E and approximately 3 feet to the north at sidewall SW-3N. Outside of the former fenceline, the excavation was vertically extended to a depth of 4 feet bgs. Total TPH and/or chloride concentrations and non-detect reporting limits did not exceed the Reclamation Standards in subsequent confirmation sidewall samples SW-3E-2.5A and SW-3N-2.5A collected in the upper 4 feet. Total TPH concentrations and non-detect reporting limits did not exceed the Closure Criterion in subsequent confirmation bottom samples BS-2A-4, BS-2B-4, BS-2C-4, BS-2D-4, BS-1A-4, and BS-1B-4 collected at or below 4 feet bgs.

The final excavation extent and depths and confirmation sample locations are shown on Figure 5. A summary of confirmation bottom and sidewall soil sample analytical results is provided in Table 1. As shown, all final (designated soil status as "in situ") bottom and sidewall confirmation samples exhibited BTEX, TPH, and/or chloride concentrations below the Reclamation Standards for soil in the upper 4 feet or the Closure Criteria for soil at or below 4 feet bgs. All soil with BTEX, TPH, and/or chloride concentrations above applicable Reclamation Standards or Closure Criteria was excavated.

A total of 420 cy of affected soil was excavated from the site. The final excavation area was approximately 1,600 square feet. As discussed above and shown on Figure 5, final excavation depths ranged from 4 to 5 feet bgs. Photographs of the excavation are shown in Appendix C. The laboratory analytical reports and chain-of-custody documentation for the confirmation samples collected in April and May 2025 are provided in Appendix D.

5.2 Excavated Soil Disposal

From May 21 to May 22, 2025, 420 cy of affected soil excavated during site remedial activities were transported under non-hazardous waste manifest to Gandy Marley, Inc., near Lovington, New Mexico. Waste manifests are provided in Appendix E.



5.3 Backfilling and Restoration

Clean backfill material similar to the excavated material was sourced from Gandy Marley, Inc., near Lovington, New Mexico. In May 2025, approximately 560 cy of clean backfill material were transported to the site and temporarily stockpiled pending backfilling, including 500 cy of topsoil and 60 cy of caliche.

One sample was collected from the stockpiled clean backfill material (topsoil) on May 16, 2025, (sample BF-1) to ensure the material was not affected by BTEX, TPH, or chloride and suitable for backfilling. The sample was placed in laboratory-prepared containers, immediately placed on ice, and delivered to Eurofins Xenco Laboratory in Midland, Texas for analysis of TPH by EPA Method 8015M, BTEX by EPA Method EPA 8021, and chloride by EPA method 300.1. The BTEX, TPH, and chloride concentrations and non-detect reporting limits did not exceed the Reclamation Standards. The analytical results are presented on Table 1.

The clean backfill material was used to backfill the excavated area from May 21 to 22, 2025. Final site grading was performed on May 22, 2025. The area disturbed during remedial activities was restored to a similar condition that existed prior to the release in accordance with 19.15.29.13 NMAC. Photographs of the excavation following backfilling and restoration are provided in Appendix C.

6.0 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 January through May 2025 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. The laboratory analytical results and data review checklists are provided as Appendix D.

7.0 SITE CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD guidelines. Affected soil with BTEX, TPH, and/or chloride concentrations above Reclamation Standards in the upper 4 feet and the Closure Criteria at and below a depth of 4 feet bgs was excavated and transported to an appropriate disposal facility. The excavation was backfilled with clean fill material similar to the material excavated, and the surface was regraded and returned to pre-release conditions. As documented in this report, all final (in situ) confirmation soil samples exhibited BTEX, TPH, and chloride concentrations below the applicable Reclamation Standards and/or Closure Criteria.



Based on completion of the remedial activities in accordance with NMOCD guidelines, HEP respectfully requests that the NMOCD grant closure of the Younger Junction release (NMOCD tracking number nAPP2501352512).

8.0 DISTRIBUTION

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TABLE

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
HEP YOUNGER JUNCTION, LOCO HILLS, NM

Sample ID	Sample Depth (feet bgs)	Sample Collection Date	Sample Type	Soil Status	BTEX (mg/kg)					TPH (mg/kg)				Chloride (mg/kg)
					Benzene	Ethyl- benzene	Toluene	Xylenes	Total BTEX ³	GRO	DRO	MRO	Total TPH ⁵	
NMOCD Reclamation Standard ¹ for soil in upper 4 feet					10	NA	NA	NA	50 ⁴	NA		NA	100 ⁷	600
NMOCD Closure Criteria ² for soil depths at or greater than 4 feet					10	NA	NA	NA	50 ⁴	1,000 ⁶		NA	2,500 ⁷	10,000
Delineation Samples														
AH # 1	3-4	1/22/2025	Boring	Excavated	98.2	196	604	238	1,140	9,860	11,100	<999	21,000	14.4
AH # 1	5-6	1/22/2025	Boring	In Situ	0.923	2.73	2.23	6.28	12.2	72.5	457	<49.9	530	7.06
AH # 1	7-8	1/22/2025	Boring	In Situ	<0.0200	0.0480	0.0264	0.117	0.191	<49.8	140	<49.8	140	2.96
AH # 2	1-2	1/22/2025	Boring	In Situ	0.0196	0.00907	0.0157	0.0152	0.0596	<50.0	<50.0	<50.0	<50.0	11.9
AH # 2	2-3	1/22/2025	Boring	In Situ	<0.00200	<0.00200	0.00204	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	5.02
AH # 3	1	1/22/2025	Boring	Excavated	0.0981	1.36	0.930	1.90	4.29	<49.8	295	<49.8	295	2.30
AH # 3	2	1/22/2025	Boring	Excavated	<0.00202	0.0104	0.00559	0.0211	0.0371	<49.7	57.6	<49.7	57.6	5.63
AH # 4	1	1/22/2025	Boring	Excavated	<0.00199	<0.00199	0.00308	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	3.57
AH # 4	2	1/22/2025	Boring	Excavated	<0.0199	0.325	0.0401	0.861	1.23	<50.0	245	<50.0	245	5.14
AH # 4	3	1/22/2025	Boring	Excavated	<0.00198	0.00272	0.00269	<0.00397	0.00541	<49.8	52.5	<49.8	52.5	3.45
AH # 4	4	1/22/2025	Boring	In Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.7	<49.7	<49.7	<49.7	24.8
LAT EAST # 1	0-1	1/22/2025	Boring	In Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.8	<49.8	<49.8	<49.8	3.04
LAT EAST # 2	0-1	1/22/2025	Boring	In Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	5.63
LAT SOUTH # 1	0-1	1/22/2025	Boring	In Situ	<0.00202	0.00511	0.00630	0.00772	0.0191	<49.7	<49.7	<49.7	<49.7	2.08
LAT WEST # 1	0-1	1/22/2025	Boring	In Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<50.0	<50.0	<50.0	<50.0	14.2
LAT WEST # 2	0-1	1/22/2025	Boring	In Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	3.86
Confirmation Sidewall Samples														
SW-2S-1	1	4/17/2025	Sidewall	In Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	114
SW-2W-1	1	4/17/2025	Sidewall	In Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	121
SW-2E-1	1	4/29/2025	Sidewall	In Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	99.9
DUP-1 (SW-2E-1)	1	4/29/2025	Sidewall	In Situ	<0.00202	0.00218	0.00275	<0.00404	0.00729	<50.1	<50.1	<50.1	<50.1	98.5
SW-3E	2.5	4/25/2025	Sidewall	Excavated	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	107	<49.8	107	325
SW-3E-2.5A	2.5	5/13/2025	Sidewall	In Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	157 F1
SW-3N	2.5	4/25/2025	Sidewall	Excavated	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	719	<50.0	719	868
SN-3N-2.5A	2.5	5/13/2025	Sidewall	In Situ	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	164
SW-1W-1.5	1.5	4/29/2025	Sidewall	In Situ	<0.00201	<0.00201	0.00271	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	251
SW-1N-1.5	1.5	4/29/2025	Sidewall	In Situ	<0.00202	0.00290	<0.00202	<0.00404	0.00512	<50.1	<50.1	<50.1	<50.1	243
SW-1E-1.5	1.5	4/29/2025	Sidewall	In Situ	<0.00199	<0.00199	<0.00199	0.00766	0.00766	<50.0	<50.0	<50.0	<50.0	126
Confirmation Bottom Samples														
BS-2A-2	2	4/17/2025	Bottom	Excavated	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.7	308	93.9	402	169
BS-2B-2	2	4/17/2025	Bottom	Excavated	<0.00199	0.00203	<0.00199	0.015	0.017	<50.0	381	107	488	141
BS-2C-2	2	4/17/2025	Bottom	Excavated	<0.00200	<0.00200	<0.00200	0.0272	0.0272	<49.8	745	208	953	203
BS-3A	5	4/25/2025	Bottom	In Situ	<0.00200	<0.00200	<0.00200	0.00478	0.00478	<50.0	73.9	<50.0	73.9	178
BS-2D	2	4/25/2025	Bottom	Excavated	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.8	370	<49.8	370	295
BS-1A-3	3	4/29/2025	Bottom	Excavated	<0.00200	0.00331	<0.00200	<0.00399	<0.00399	<49.9	265	<49.9	265	509
BS-1A-4	4	5/16/2025	Bottom	In Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	629
BS-1B-3	3	4/29/2025	Bottom	Excavated	<0.00199	<0.00199	0.00272	<0.00398	<0.00398	<50.0	425	<50.0	425	307

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
HEP YOUNGER JUNCTION, LOCO HILLS, NM

Sample ID	Sample Depth (feet bgs)	Sample Collection Date	Sample Type	Soil Status	BTEX (mg/kg)					TPH (mg/kg)				Chloride (mg/kg)
					Benzene	Ethyl- benzene	Toluene	Xylenes	Total BTEX ³	GRO	DRO	MRO	Total TPH ⁵	
NMOCD Reclamation Standard ¹ for soil in upper 4 feet					10	NA	NA	NA	50 ⁴	NA		NA	100 ⁷	600
NMOCD Closure Criteria ² for soil depths at or greater than 4 feet					10	NA	NA	NA	50 ⁴	1,000 ⁶		NA	2,500 ⁷	10,000
BS-1B-4	4	5/16/2025	Bottom	In Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	2,150
BS-2A-4	4	5/16/2025	Bottom	In Situ	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	74.6
DUP-2 (BS-2A-4)	4	5/16/2025	Bottom	In Situ	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	<49.8	<49.8	<49.8	<49.8	75.6
BS-2B-4	4	5/16/2025	Bottom	In Situ	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	<49.8	<49.8	<49.8	197
BS-2C-4	4	5/16/2025	Bottom	In Situ	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.8	<49.8	<49.8	<49.8	220
BS-2D-4	4	5/16/2025	Bottom	In Situ	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<49.7	<49.7	<49.7	<49.7	458
Backfill Sample														
BF-1	1	5/16/2025	Backfill	In Situ	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.8	<49.8	<49.8	<49.8	319

Notes:

NMOCDC Closure Criteria = New Mexico Oil Conservation District Closure Criteria for a Site (varies with soil depth).

¹ = Reclamation Standard provided for sites with soil at a depth of less than 4 feet bgs.

² = Closure Criteria provided for sites with soil at a depth of greater than 4 feet bgs based on depth to groundwater >51 feet bgs.

³ = Total BTEX is the sum of the benzene + toluene + ethylbenzene + total xylenes concentrations.

⁴ = This value is compared against the sum of the benzene + toluene + ethylbenzene + total xylenes concentrations.

⁵ = TPH is the sum of the GRO + DRO + MRO concentrations.

⁶ = This value is compared against the sum of the GRO + DRO concentrations.

⁷ = This value is compared against the sum of the GRO + DRO + MRO concentrations.

bgs = feet below ground surface.

BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes by EPA Method 8021.

Chloride concentrations determined by EPA Method 300.0.

GRO = Gasoline Range Organics.

DRO = Diesel Range Organics.

MRO = Motor Oil Range Organics.

NA = There is no Closure Criterion for this constituent.

TPH = Total Petroleum Hydrocarbons by EPA Method 8015.

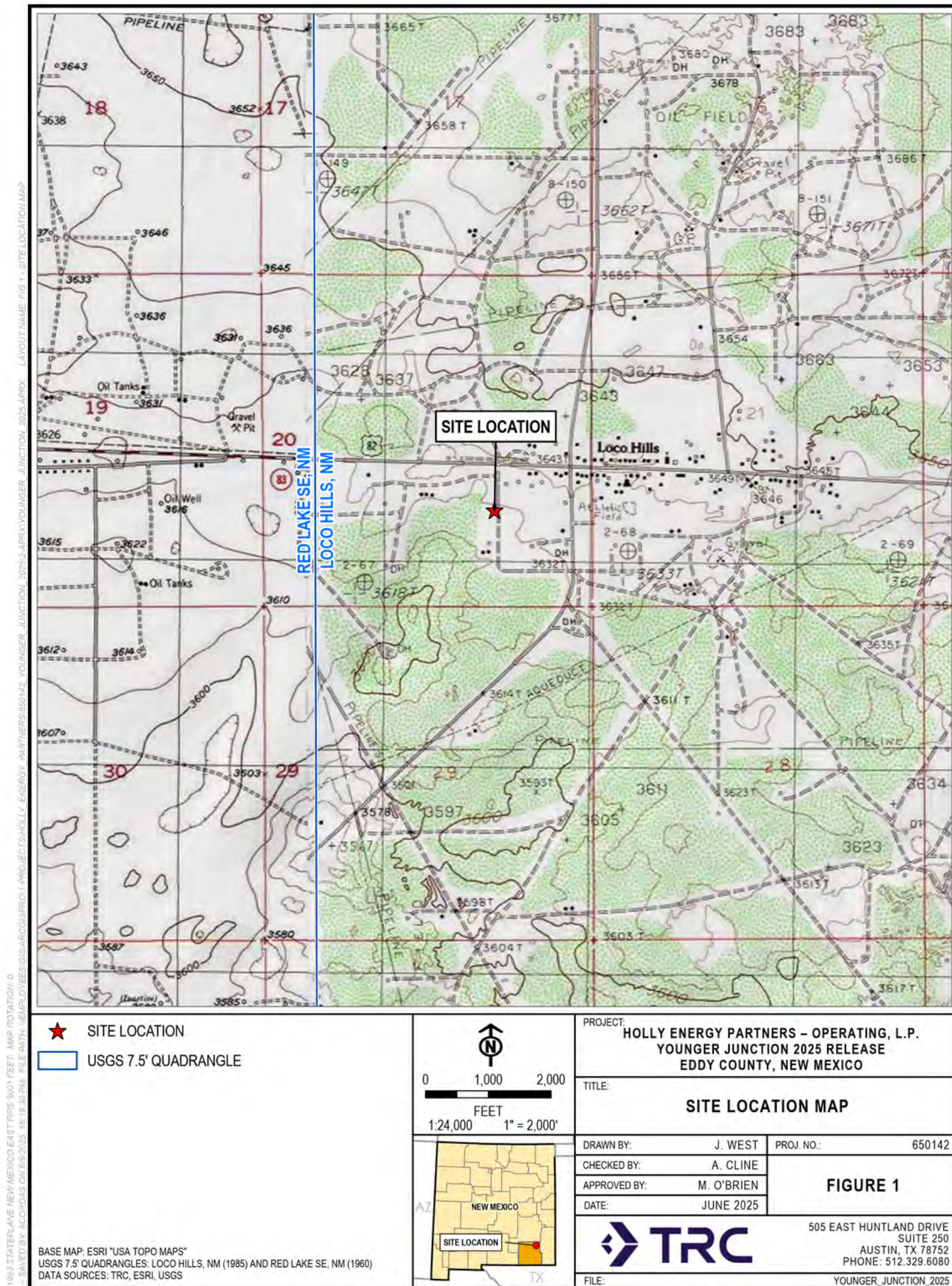
Detected concentrations reported in bold.

 = Concentration above NMOCDC Reclamation Standard for soil at depths of less than 4 feet bgs.

 = Soil excavated and removed.









FIGURES










\\AQ-1083 STATEPLANE NEW MEXICO EAST PRPS 3001 FEET, MAP ROTATION: 0
- SAVED BY: ACOPOAS ON 6/9/2025, 16:18:30 PM, FILE PATH: \\EMPLOYEES\GIS\ARC\GISPROJ\PROJECTS\HOLLY ENERGY PARTNERS\650142 YOUNGER JUNCTION 2025 RELEASE\FIG 2 - AERIAL MAP



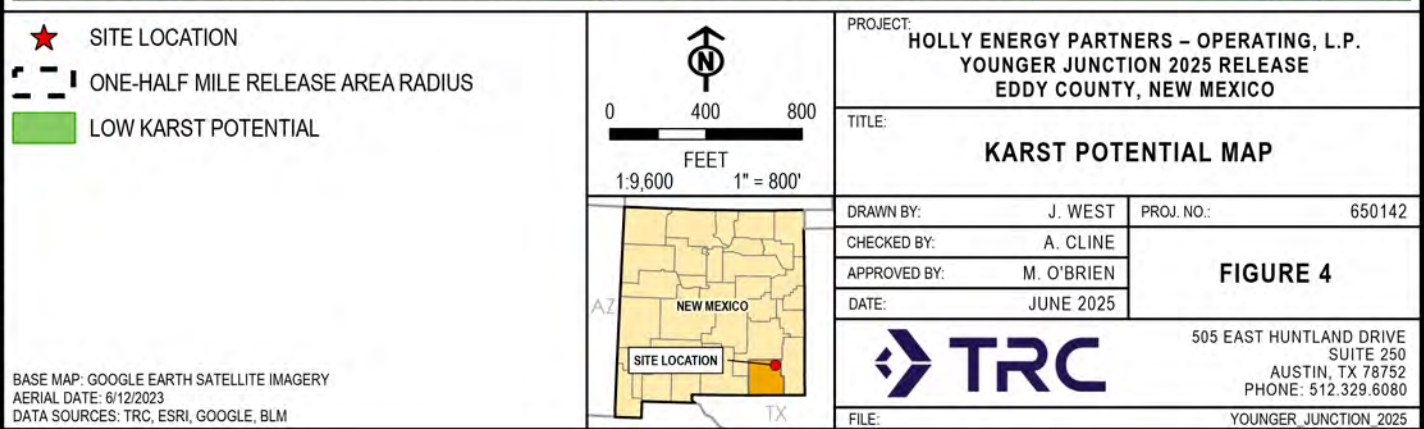
 SITE LOCATION  ONE-HALF MILE RELEASE AREA RADIUS  EXPLORATION WELL	 0 400 800 FEET 1:9,600 1" = 800' 	PROJECT: HOLLY ENERGY PARTNERS - OPERATING, L.P. YOUNGER JUNCTION 2025 RELEASE EDDY COUNTY, NEW MEXICO	
		TITLE: AERIAL MAP	
BASE MAP: GOOGLE EARTH SATELLITE IMAGERY AERIAL DATE: 6/12/2023 DATA SOURCES: TRC, ESRI, GOOGLE		DRAWN BY: J. WEST	PROJ. NO.: 650142
		CHECKED BY: A. CLINE	FIGURE 2
		APPROVED BY: M. O'BRIEN	
		DATE: JUNE 2025	
505 EAST HUNTLAND DRIVE SUITE 250 AUSTIN, TX 78752 PHONE: 512.329.6080			
FILE: YOUNGER JUNCTION 2025			

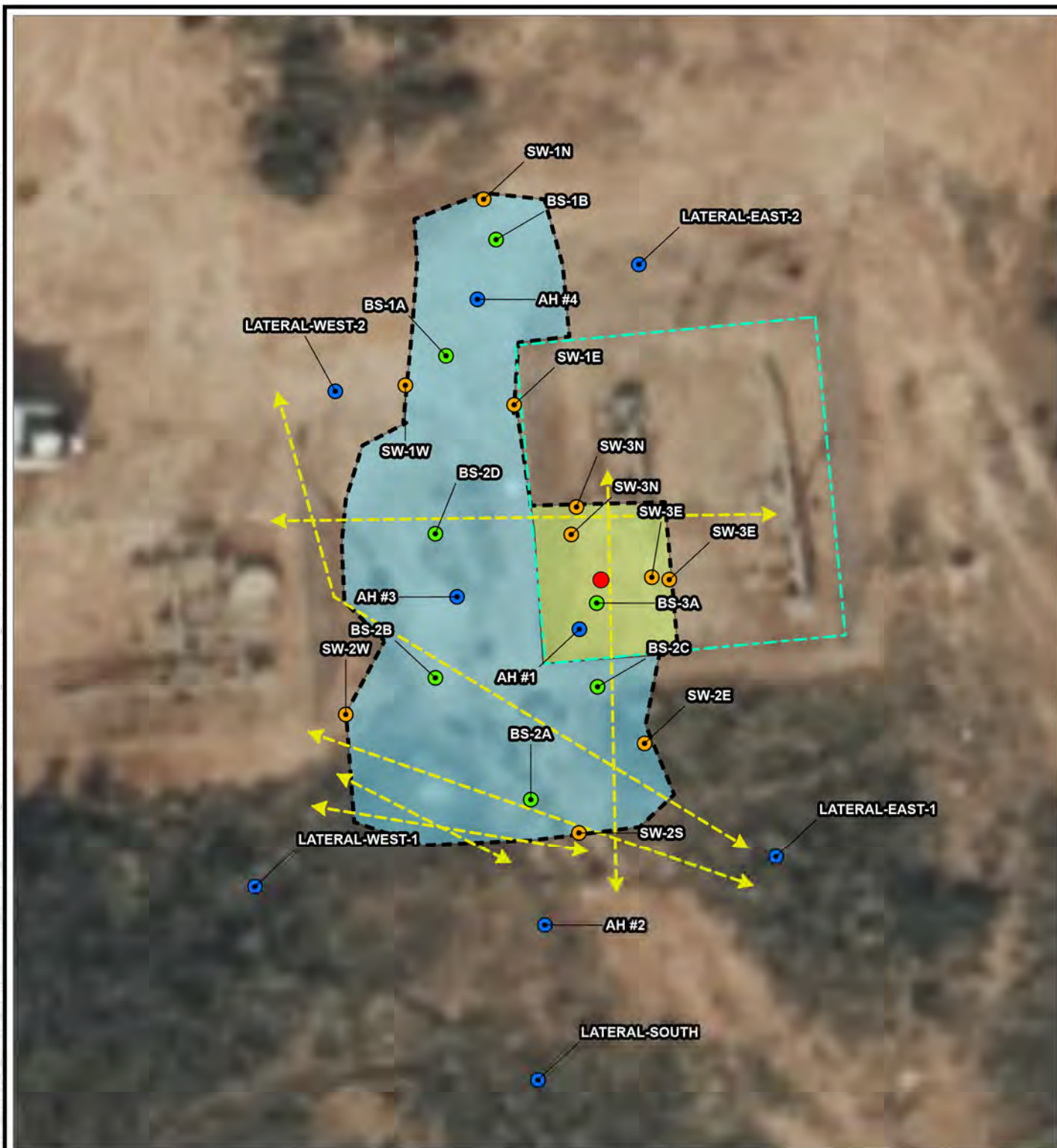
\\AD-1883-STATE\PLANE NEW MEXICO\EAST RIPS 3001 FEET MAP ROTATION: 0
- SAVED BY: ACOPOAS ON 6/9/2025 16:18:30 PM: FILE PATH: \\EMPLOYEES\GIS\ARCS\PROJ\PROJECTS\HOLLY ENERGY PARTNERS\650142 YOUNGER JUNCTION 2025 RELEASE\FIG 3 - WETLANDS AND FEMA FLOODPLAIN MAP



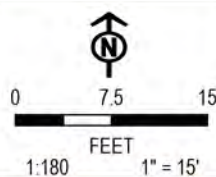
 SITE LOCATION  ONE-HALF MILE RELEASE AREA RADIUS  FEMA 100-YEAR FLOODPLAIN	 0 400 800 FEET 1:9,600 1" = 800' 	PROJECT: HOLLY ENERGY PARTNERS - OPERATING, L.P. YOUNGER JUNCTION 2025 RELEASE EDDY COUNTY, NEW MEXICO	
		TITLE: WETLANDS AND FEMA FLOODPLAIN MAP	
NOTE: NO NWI WETLAND FEATURES WITHIN MAP EXTENT. BASE MAP: GOOGLE EARTH SATELLITE IMAGERY AERIAL DATE: 6/12/2023 DATA SOURCES: TRC, ESRI, GOOGLE, NWI, FEMA		DRAWN BY: J. WEST	PROJ. NO.: 650142
		CHECKED BY: A. CLINE	FIGURE 3
		APPROVED BY: M. O'BRIEN	
		DATE: JUNE 2025	
		 505 EAST HUNTLAND DRIVE SUITE 250 AUSTIN, TX 78752 PHONE: 512.329.6080	
		FILE: YOUNGER JUNCTION 2025	

AD 1883 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET MAP ROTATION: 0
— SAVED BY: ACOPOAS ON 6/9/2025 16:18:30 PM FILE PATH: \\EMPLOYEES\GIS\ARCGISPRO\PROJECTS\HOLLY ENERGY PARTNERS\650142 YOUNGER JUNCTION 2025 RELEASE\2025\APR\ LAYOUT NAME FIG 4 - KARST POTENTIAL MAP





- APPROXIMATE RELEASE FOOTPRINT
FORMER FACILITY FENCELINE
AREA EXCAVATED TO 4 FEET BGS
AREA EXCAVATED TO 5 FEET BGS
BOTTOM CONFIRMATION SAMPLE
HAND AUGER BORING
SIDEWALL CONFIRMATION SAMPLE
RELEASE LOCATION
SHALLOW PIPELINE



PROJECT: HOLLY ENERGY PARTNERS - OPERATING, L.P.
YOUNGER JUNCTION 2025 RELEASE
EDDY COUNTY, NEW MEXICO

TITLE: EXCAVATION AND CONFIRMATION
SAMPLE LOCATION MAP

DRAWN BY:	A. CORDAS	PROJ. NO.:	650142
-----------	-----------	------------	--------

CHECKED BY: B. TRACY

APPROVED BY: B. GILBERT

DATE: JUNE 2025

FIGURE 5



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

FILE:	YOUNGER JUNCTION 2025
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**Appendix A: Release Notification and Corrective Action Form
(NMOCD Form C-141)**

OCD Permitting

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	420079	Districts:	Artesia
Operator:	[282505] HOLLY ENERGY PARTNERS - OPERATING, LP	Counties:	Eddy
Description:	HOLLY ENERGY PARTNERS - OPERATING, LP [282505] , Younger junction , nAPP2501352512		
Status:	APPROVED		
Status Date:	01/13/2025		
References (1):	nAPP2501352512		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	Younger junction
Date Release Discovered	01/13/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Human Error Pipeline (Any) Crude Oil Released: 33 BBL Recovered: 30 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. “Major release” determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	All free liquids have been recovered. Contaminated soils are being removed and placed in a bermed plastic lined area for disposal upon approval at NM permitted disposal facility.

Per Paragraph 4 of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

Acknowledgments

- ☒ I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
- ☒ I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
- ☒ I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
- ☒ 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.
- ☒ I acknowledge the fact that 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.
- ☒ I acknowledge the fact that, 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.

Comments

No comments found for this submission.

Conditions

Summary:	mnolan (1/13/2025), When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.
----------	---

Fees

No fees found for this submission.

Go Back

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	420164	Districts:	Artesia
Operator:	[282505] HOLLY ENERGY PARTNERS - OPERATING, LP	Counties:	Eddy
Description:	HOLLY ENERGY PARTNERS - OPERATING, LP [282505] , Younger junction , nAPP2501352512		
Status:	SUBMITTED		
Status Date:	01/13/2025		
References (1):	nAPP2501352512		

Forms

Attachments:	Volume Calculation
--------------	------------------------------------

Questions

Prerequisites

Incident Operator	[282505] HOLLY ENERGY PARTNERS - OPERATING, LP
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	Unavailable.
Incident Facility	Unavailable.

Location of Release Source

Please answer all the questions in this group.

Site Name	Younger junction
Date Release Discovered	01/13/2025
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No

Searches Operator Data Submissions Administration

Crude Oil Released (bbls) Details	Cause: Human Error Pipeline (Any) Crude Oil Released: 33 BBL Recovered: 30 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a “gas only” report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. “Major release” determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	All free liquids have been recovered. Contaminated soils are being removed and placed in a bermed plastic lined area for disposal upon approval at NM permitted disposal facility.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Melanie Nolan Title: Environmental Specialist Email: melanie.nolan@hollyenergy.com Date: 01/13/2025
--	--

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.

A 100-year floodplain

Not answered.

Did the release impact areas not on an exploration, development, production, or storage site

Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission

No

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

No reasons found for this submission.

Fees

Summary:			Created	Type	Amount	Status	Saved
	7RRJS-250113-C-1410	Fee	1/13/2025	SB553 A.(2) [ADMIN]	\$150.00	Paid [PAID]	1/13/2025
		Payment	1/13/2025	Credit Card [CC]	\$150.00	Paid [PAID]	1/13/2025

Go Back



Appendix B: Copies of NMOCD Communications

Clark, Darija

Subject: HEP Younger Junction Extension Request - Incident No. nAPP2501352512**From:** Gilbert, Bryan <BGilbert@trccompanies.com>**Sent:** Friday, April 11, 2025 3:20 PM**To:** OCD.Enviro@emnrd.nm.gov; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>**Cc:** Nolan, Melanie <Melanie.Nolan@HFSinclair.com>; paul.richardson <paul.richardson@hfsinclair.com>; Stoffel, Jared <JStoffel@trccompanies.com>**Subject:** HEP Younger Junction Extension Request - Incident No. nAPP2501352512

Mike,

As discussed during your call with Paul Richardson early today, a release of approximately 33 barrels of crude oil occurred on January 13, 2025. The release was reported to the NMOCD on January 13, 2025, on their online portal utilizing the Notice of Release (NOR) function. A subsequent initial C-141 was also submitted through the portal to include volume calculations on January 13, 2025.

A vacuum truck responded immediately and recovered approximately 30 barrels of crude oil. The affected soil footprint was approximately 2,000 square feet on the caliche pad and the adjacent pastureland. Holly Energy Partners conducted initial excavation of the crude-oil affected soil and stockpiled the soil immediately north of the release location. Initial soil assessment was conducted in January 2025 to delineate the extent of affected soil above NMOCD Closure Criteria. Based on the results of the sampling, additional crude oil-affected soil above Closure Criteria remains at the site.

The remaining crude oil-affected soil will be hydro-excavated and transported to an off-site disposal facility, beginning next week. Confirmation soil samples will be collected from the excavation bottom and sidewalls for analysis of BTEX, TPH, and chloride to confirm concentrations above the Closure Criteria are removed, and the excavation will be backfilled with clean fill material. Hydro-excavation and confirmation soil sampling are scheduled for the week of April 14, 2025; backfilling will be conducted pending the results of the confirmation soil sampling.

HEP requests a 60-day extension (i.e., until June 12, 2025) to complete the soil remediation and submit a Site Characterization Report and Closure Request.

Please let us know if you have questions or comments regarding this update and extension request.

Thank you,

Bryan Gilbert, PG

Austin Office ECR Practice Leader



505 E. Huntland Drive, Suite 250, Austin, TX 78752

C 925.699.6184 | bgilbert@trccompanies.com[LinkedIn](#) | [Instagram](#) | TRCcompanies.com



Appendix C: Photographic Documentation


Appendix C
Photograph Log



Photo 1: View of line locates of excavation area near release point, facing Southwest.



Photo 2: Excavation near release point, facing Southwest.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
650142	TRC	1 of 4	Holly Energy Partners	Younger Junction Release, Eddy County, New Mexico	


Appendix C
Photograph Log



Photo 3: View of drying pits with hydro-excavation spoils, facing Southwest.



Photo 4: View of drying pit with hydro-excavation spoils, facing South.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
650142	TRC	2 of 4	Holly Energy Partners	Younger Junction Release, Eddy County, New Mexico	


Appendix C
Photograph Log



Photo 5: View of excavation near release point, with exposed pipes. Photo facing Southeast.



Photo 6: View of continued excavation near release point, with exposed pipes. Photo facing Southeast.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
650142	TRC	3 of 4	Holly Energy Partners	Younger Junction Release, Eddy County, New Mexico	


Appendix C
Photograph Log



Photo 7: Backfill of excavation, facing Northwest.



Photo 8: Final surface restoration, facing Northwest.

TRC Job No.	Photographs Taken By:	Page No.	Client:	Site Name & Address:	
650142	TRC	4 of 4	Holly Energy Partners	Younger Junction Release, Eddy County, New Mexico	



Appendix D: Laboratory Analytical Reports



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel
TRC Solutions, Inc.
10 Desta Drive
Suite #410E
Midland, Texas 79705

Generated 6/10/2025 8:45:54 AM Revision 2

JOB DESCRIPTION

HOLLY YOUNGER JUNCTION
LOCO HILLS

JOB NUMBER

890-7594-1

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



Authorized for release by
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Generated
6/10/2025 8:45:54 AM
Revision 2

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Laboratory Job ID: 890-7594-1
SDG: LOCO HILLS

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.

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

Case Narrative

Client: TRC Solutions, Inc.
Project: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1

Job ID: 890-7594-1

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Job Narrative
890-7594-1

REVISION

The report being provided is a revision of the original report sent on 1/31/2025. The report (revision 2) is being revised due to Interoffice paperwork missing on final report..

Report revision history

Revision 1 - 2/11/2025 - Reason - Data recall, incorrect weight listed in batch.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/22/2025 5:21 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: AH # 1 3 - 4ft (890-7594-1), AH # 1 5 - 6ft (890-7594-2), AH # 1 7 - 8ft (890-7594-3), AH # 3 1ft (890-7594-4), AH # 3 2ft (890-7594-5), AH # 2 1 - 2ft (890-7594-6), AH # 2 2 - 3ft (890-7594-7), AH # 4 1ft (890-7594-8), AH # 4 2ft (890-7594-9), AH # 4 3ft (890-7594-10), AH # 4 4ft (890-7594-11), LAT EAST # 1 0 - 1' (890-7594-12), LAT EAST # 2 0 - 1' (890-7594-13), LAT SOUTH # 1 0 - 1' (890-7594-14), LAT WEST # 1 0 - 1' (890-7594-15) and LAT WEST # 2 0 - 1' (890-7594-16).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: AH # 1 3 - 4ft (890-7594-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: AH # 1 5 - 6ft (890-7594-2) and AH # 3 1ft (890-7594-4). 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 and precision for preparation batch 880-101105 and analytical batch 880-101085 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 8021B: Surrogate recovery for the following sample was outside control limits: AH # 4 2ft (890-7594-9). 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.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: AH # 1 3 - 4ft (890-7594-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike (MS) recoveries for preparation batch 880-101080 and analytical batch 880-101108 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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Case Narrative

Client: TRC Solutions, Inc.
Project: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1

Job ID: 890-7594-1 (Continued)**Eurofins Carlsbad**

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-7597-A-4-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: AH # 2 2 - 3ft (890-7594-7). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: AH # 4 4ft (890-7594-11). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-101082 and analytical batch 880-101112 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (890-7597-A-16-A) and (890-7597-A-16-B MS). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-7597-A-16-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: LAT EAST # 2 0 - 1' (890-7594-13), LAT SOUTH # 1 0 - 1' (890-7594-14), LAT WEST # 1 0 - 1' (890-7594-15) and LAT WEST # 2 0 - 1' (890-7594-16). 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

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.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 1 3 - 4ft

Lab Sample ID: 890-7594-1

Date Collected: 01/22/25 11:23

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	98.2		0.996	mg/Kg		01/24/25 14:00	01/24/25 20:16	500
Toluene	604		9.98	mg/Kg		01/27/25 08:36	01/27/25 14:46	5000
Ethylbenzene	196		0.996	mg/Kg		01/24/25 14:00	01/24/25 20:16	500
m,p-Xylenes	166		1.99	mg/Kg		01/24/25 14:00	01/24/25 20:16	500
o-Xylene	71.7		0.996	mg/Kg		01/24/25 14:00	01/24/25 20:16	500
Xylenes, Total	238		1.99	mg/Kg		01/24/25 14:00	01/24/25 20:16	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	165	S1+	70 - 130	01/24/25 14:00	01/24/25 20:16	500
1,4-Difluorobenzene (Surr)	96		70 - 130	01/24/25 14:00	01/24/25 20:16	500

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1140		1.99	mg/Kg			01/27/25 14:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21000		999	mg/Kg			01/24/25 11:40	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	9860		999	mg/Kg		01/24/25 08:11	01/24/25 11:40	20
Diesel Range Organics (Over C10-C28)	11100		999	mg/Kg		01/24/25 08:11	01/24/25 11:40	20
Oil Range Organics (Over C28-C36)	<999	U	999	mg/Kg		01/24/25 08:11	01/24/25 11:40	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	245	S1+	70 - 130	01/24/25 08:11	01/24/25 11:40	20
o-Terphenyl (Surr)	293	S1+	70 - 130	01/24/25 08:11	01/24/25 11:40	20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.2		9.98	mg/Kg			01/24/25 19:13	1

Client Sample ID: AH # 1 5 - 6ft

Lab Sample ID: 890-7594-2

Date Collected: 01/22/25 11:35

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.923		0.101	mg/Kg		01/24/25 08:53	01/24/25 14:29	50
Toluene	2.23		0.101	mg/Kg		01/24/25 08:53	01/24/25 14:29	50
Ethylbenzene	2.73		0.101	mg/Kg		01/24/25 08:53	01/24/25 14:29	50
m,p-Xylenes	3.16		0.201	mg/Kg		01/24/25 08:53	01/24/25 14:29	50
o-Xylene	3.12		0.101	mg/Kg		01/24/25 08:53	01/24/25 14:29	50
Xylenes, Total	6.28		0.201	mg/Kg		01/24/25 08:53	01/24/25 14:29	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	158	S1+	70 - 130	01/24/25 08:53	01/24/25 14:29	50
1,4-Difluorobenzene (Surr)	122		70 - 130	01/24/25 08:53	01/24/25 14:29	50

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 1 5 - 6ft

Lab Sample ID: 890-7594-2

Date Collected: 01/22/25 11:35

Matrix: Solid

Date Received: 01/22/25 17:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	12.2		0.201	mg/Kg			01/24/25 14:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	530		49.9	mg/Kg			01/24/25 11:54	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	72.5		49.9	mg/Kg		01/24/25 08:11	01/24/25 11:54	1
Diesel Range Organics (Over C10-C28)	457		49.9	mg/Kg		01/24/25 08:11	01/24/25 11:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/24/25 08:11	01/24/25 11:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	89		70 - 130			01/24/25 08:11	01/24/25 11:54	1
o-Terphenyl (Surr)	93		70 - 130			01/24/25 08:11	01/24/25 11:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.3		9.94	mg/Kg			01/24/25 19:30	1

Client Sample ID: AH # 1 7 - 8ft

Lab Sample ID: 890-7594-3

Date Collected: 01/22/25 11:45

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0200	U	0.0200	mg/Kg		01/28/25 11:53	01/28/25 14:21	10
Toluene	0.0264		0.0200	mg/Kg		01/28/25 11:53	01/28/25 14:21	10
Ethylbenzene	0.0480		0.0200	mg/Kg		01/28/25 11:53	01/28/25 14:21	10
m,p-Xylenes	0.0808		0.0399	mg/Kg		01/28/25 11:53	01/28/25 14:21	10
o-Xylene	0.0358		0.0200	mg/Kg		01/28/25 11:53	01/28/25 14:21	10
Xylenes, Total	0.117		0.0399	mg/Kg		01/28/25 11:53	01/28/25 14:21	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			01/28/25 11:53	01/28/25 14:21	10
1,4-Difluorobenzene (Surr)	104		70 - 130			01/28/25 11:53	01/28/25 14:21	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.191		0.0399	mg/Kg			01/28/25 14:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	140		49.8	mg/Kg			01/24/25 12:09	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		01/24/25 08:11	01/24/25 12:09	1
Diesel Range Organics (Over C10-C28)	140		49.8	mg/Kg		01/24/25 08:11	01/24/25 12:09	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 1 7 - 8ft

Lab Sample ID: 890-7594-3

Date Collected: 01/22/25 11:45

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:11	01/24/25 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	83		70 - 130			01/24/25 08:11	01/24/25 12:09	1
o-Terphenyl (Surr)	83		70 - 130			01/24/25 08:11	01/24/25 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.8		10.1	mg/Kg			01/24/25 19:36	1

Client Sample ID: AH # 3 1ft

Lab Sample ID: 890-7594-4

Date Collected: 01/22/25 12:00

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0981		0.0200	mg/Kg		01/27/25 17:00	01/27/25 18:33	10
Toluene	0.930		0.0200	mg/Kg		01/27/25 17:00	01/27/25 18:33	10
Ethylbenzene	1.36		0.0200	mg/Kg		01/27/25 17:00	01/27/25 18:33	10
m,p-Xylenes	1.33		0.0401	mg/Kg		01/27/25 17:00	01/27/25 18:33	10
o-Xylene	0.573		0.0200	mg/Kg		01/27/25 17:00	01/27/25 18:33	10
Xylenes, Total	1.90		0.0401	mg/Kg		01/27/25 17:00	01/27/25 18:33	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130			01/27/25 17:00	01/27/25 18:33	10
1,4-Difluorobenzene (Surr)	96		70 - 130			01/27/25 17:00	01/27/25 18:33	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	4.29		0.0401	mg/Kg			01/27/25 18:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	295		49.8	mg/Kg			01/24/25 12:23	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	<49.8	U	49.8	mg/Kg		01/24/25 08:11	01/24/25 12:23	1
Diesel Range Organics (Over C10-C28)	295		49.8	mg/Kg		01/24/25 08:11	01/24/25 12:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:11	01/24/25 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	77		70 - 130			01/24/25 08:11	01/24/25 12:23	1
o-Terphenyl (Surr)	82		70 - 130			01/24/25 08:11	01/24/25 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.5		10.1	mg/Kg			01/24/25 19:42	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 3 2ft

Lab Sample ID: 890-7594-5

Date Collected: 01/22/25 12:04

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:28	1
Toluene	0.00559		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:28	1
Ethylbenzene	0.0104		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:28	1
m,p-Xylenes	0.0128		0.00404	mg/Kg		01/24/25 08:53	01/24/25 13:28	1
o-Xylene	0.00826		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:28	1
Xylenes, Total	0.0211		0.00404	mg/Kg		01/24/25 08:53	01/24/25 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/24/25 08:53	01/24/25 13:28	1
1,4-Difluorobenzene (Surr)	124		70 - 130	01/24/25 08:53	01/24/25 13:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0371		0.00404	mg/Kg			01/24/25 13:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	57.6		49.7	mg/Kg			01/24/25 11:40	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	<49.7	U	49.7	mg/Kg		01/24/25 08:17	01/24/25 11:40	1
Diesel Range Organics (Over C10-C28)	57.6		49.7	mg/Kg		01/24/25 08:17	01/24/25 11:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/24/25 08:17	01/24/25 11:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130	01/24/25 08:17	01/24/25 11:40	1
o-Terphenyl (Surr)	74		70 - 130	01/24/25 08:17	01/24/25 11:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.1		9.98	mg/Kg			01/24/25 19:48	1

Client Sample ID: AH # 2 1 - 2ft

Lab Sample ID: 890-7594-6

Date Collected: 01/22/25 11:51

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0196		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:48	1
Toluene	0.0157		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:48	1
Ethylbenzene	0.00907		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:48	1
m,p-Xylenes	0.00974		0.00403	mg/Kg		01/24/25 08:53	01/24/25 13:48	1
o-Xylene	0.00546		0.00202	mg/Kg		01/24/25 08:53	01/24/25 13:48	1
Xylenes, Total	0.0152		0.00403	mg/Kg		01/24/25 08:53	01/24/25 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/24/25 08:53	01/24/25 13:48	1
1,4-Difluorobenzene (Surr)	128		70 - 130	01/24/25 08:53	01/24/25 13:48	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 2 1 - 2ft

Lab Sample ID: 890-7594-6

Date Collected: 01/22/25 11:51

Matrix: Solid

Date Received: 01/22/25 17:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0596		0.00403	mg/Kg			01/24/25 13:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/25 11:54	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		01/24/25 08:17	01/24/25 11:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/24/25 08:17	01/24/25 11:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:17	01/24/25 11:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	72		70 - 130			01/24/25 08:17	01/24/25 11:54	1
o-Terphenyl (Surr)	73		70 - 130			01/24/25 08:17	01/24/25 11:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.7		10.1	mg/Kg			01/24/25 19:54	1

Client Sample ID: AH # 2 2 - 3ft

Lab Sample ID: 890-7594-7

Date Collected: 01/22/25 11:54

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 16:44	1
Toluene	0.00204		0.00200	mg/Kg		01/24/25 08:53	01/24/25 16:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 16:44	1
m,p-Xylenes	<0.00399	U	0.00399	mg/Kg		01/24/25 08:53	01/24/25 16:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 16:44	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/24/25 08:53	01/24/25 16:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130			01/24/25 08:53	01/24/25 16:44	1
1,4-Difluorobenzene (Surr)	104		70 - 130			01/24/25 08:53	01/24/25 16:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/24/25 16:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 12:09	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		01/24/25 08:17	01/24/25 12:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/24/25 08:17	01/24/25 12:09	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 2 2 - 3ft

Lab Sample ID: 890-7594-7

Date Collected: 01/22/25 11:54

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:17	01/24/25 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	61	S1-	70 - 130			01/24/25 08:17	01/24/25 12:09	1
o-Terphenyl (Surr)	63	S1-	70 - 130			01/24/25 08:17	01/24/25 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.1		10.0	mg/Kg			01/24/25 20:00	1

Client Sample ID: AH # 4 1ft

Lab Sample ID: 890-7594-8

Date Collected: 01/22/25 12:15

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 17:05	1
Toluene	0.00308		0.00199	mg/Kg		01/24/25 08:53	01/24/25 17:05	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 17:05	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/25 08:53	01/24/25 17:05	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 17:05	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/25 08:53	01/24/25 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			01/24/25 08:53	01/24/25 17:05	1
1,4-Difluorobenzene (Surr)	101		70 - 130			01/24/25 08:53	01/24/25 17:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/24/25 17:05	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 12:23	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	<49.8	U	49.8	mg/Kg		01/24/25 08:17	01/24/25 12:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/24/25 08:17	01/24/25 12:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:17	01/24/25 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			01/24/25 08:17	01/24/25 12:23	1
o-Terphenyl (Surr)	72		70 - 130			01/24/25 08:17	01/24/25 12:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.9		9.98	mg/Kg			01/24/25 20:17	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 4 2ft

Lab Sample ID: 890-7594-9

Date Collected: 01/22/25 12:18

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0199	U	0.0199	mg/Kg		01/27/25 17:00	01/27/25 18:53	10
Toluene	0.0401		0.0199	mg/Kg		01/27/25 17:00	01/27/25 18:53	10
Ethylbenzene	0.325		0.0199	mg/Kg		01/27/25 17:00	01/27/25 18:53	10
m,p-Xylenes	0.542		0.0398	mg/Kg		01/27/25 17:00	01/27/25 18:53	10
o-Xylene	0.319		0.0199	mg/Kg		01/27/25 17:00	01/27/25 18:53	10
Xylenes, Total	0.861		0.0398	mg/Kg		01/27/25 17:00	01/27/25 18:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	167	S1+	70 - 130	01/27/25 17:00	01/27/25 18:53	10
1,4-Difluorobenzene (Surr)	100		70 - 130	01/27/25 17:00	01/27/25 18:53	10

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.23		0.0398	mg/Kg			01/27/25 18:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	245		50.0	mg/Kg			01/24/25 11:52	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		01/24/25 08:19	01/24/25 11:52	1
Diesel Range Organics (Over C10-C28)	245		50.0	mg/Kg		01/24/25 08:19	01/24/25 11:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:19	01/24/25 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130	01/24/25 08:19	01/24/25 11:52	1
o-Terphenyl (Surr)	74		70 - 130	01/24/25 08:19	01/24/25 11:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.7		9.94	mg/Kg			01/24/25 20:23	1

Client Sample ID: AH # 4 3ft

Lab Sample ID: 890-7594-10

Date Collected: 01/22/25 12:21

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/24/25 08:53	01/24/25 17:25	1
Toluene	0.00269		0.00198	mg/Kg		01/24/25 08:53	01/24/25 17:25	1
Ethylbenzene	0.00272		0.00198	mg/Kg		01/24/25 08:53	01/24/25 17:25	1
m,p-Xylenes	<0.00397	U	0.00397	mg/Kg		01/24/25 08:53	01/24/25 17:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/24/25 08:53	01/24/25 17:25	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		01/24/25 08:53	01/24/25 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	01/24/25 08:53	01/24/25 17:25	1
1,4-Difluorobenzene (Surr)	128		70 - 130	01/24/25 08:53	01/24/25 17:25	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 4 3ft

Lab Sample ID: 890-7594-10

Date Collected: 01/22/25 12:21

Matrix: Solid

Date Received: 01/22/25 17:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00541		0.00397	mg/Kg			01/24/25 17:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	52.5		49.8	mg/Kg			01/24/25 12:08	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		01/24/25 08:19	01/24/25 12:08	1
Diesel Range Organics (Over C10-C28)	52.5		49.8	mg/Kg		01/24/25 08:19	01/24/25 12:08	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:19	01/24/25 12:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	75		70 - 130			01/24/25 08:19	01/24/25 12:08	1
o-Terphenyl (Surr)	71		70 - 130			01/24/25 08:19	01/24/25 12:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.2		10.1	mg/Kg			01/24/25 20:41	1

Client Sample ID: AH # 4 4ft

Lab Sample ID: 890-7594-11

Date Collected: 01/22/25 12:23

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/24/25 08:53	01/24/25 17:46	1
Toluene	<0.00202	U	0.00202	mg/Kg		01/24/25 08:53	01/24/25 17:46	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		01/24/25 08:53	01/24/25 17:46	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		01/24/25 08:53	01/24/25 17:46	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/24/25 08:53	01/24/25 17:46	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		01/24/25 08:53	01/24/25 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			01/24/25 08:53	01/24/25 17:46	1
1,4-Difluorobenzene (Surr)	109		70 - 130			01/24/25 08:53	01/24/25 17:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/24/25 17:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/24/25 12:24	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	<49.7	U	49.7	mg/Kg		01/24/25 08:19	01/24/25 12:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/24/25 08:19	01/24/25 12:24	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 4 4ft

Lab Sample ID: 890-7594-11

Date Collected: 01/22/25 12:23

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/24/25 08:19	01/24/25 12:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	74		70 - 130			01/24/25 08:19	01/24/25 12:24	1
o-Terphenyl (Surr)	69	S1-	70 - 130			01/24/25 08:19	01/24/25 12:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	124		10.1	mg/Kg			01/24/25 20:47	1

Client Sample ID: LAT EAST # 1 0 - 1'

Lab Sample ID: 890-7594-12

Date Collected: 01/22/25 14:05

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/24/25 08:53	01/24/25 18:06	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/24/25 08:53	01/24/25 18:06	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/24/25 08:53	01/24/25 18:06	1
m,p-Xylenes	<0.00396	U	0.00396	mg/Kg		01/24/25 08:53	01/24/25 18:06	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/24/25 08:53	01/24/25 18:06	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/24/25 08:53	01/24/25 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130			01/24/25 08:53	01/24/25 18:06	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/24/25 08:53	01/24/25 18:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/24/25 18:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 12:41	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		01/24/25 08:19	01/24/25 12:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/24/25 08:19	01/24/25 12:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:19	01/24/25 12:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	82		70 - 130			01/24/25 08:19	01/24/25 12:41	1
o-Terphenyl (Surr)	76		70 - 130			01/24/25 08:19	01/24/25 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.2		9.98	mg/Kg			01/24/25 20:53	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: LAT EAST # 2 0 - 1'

Lab Sample ID: 890-7594-13

Date Collected: 01/22/25 14:05

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 18:26	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 18:26	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 18:26	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/24/25 08:53	01/24/25 18:26	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 18:26	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/24/25 08:53	01/24/25 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/24/25 08:53	01/24/25 18:26	1
1,4-Difluorobenzene (Surr)	110		70 - 130	01/24/25 08:53	01/24/25 18:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/24/25 18:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 11:52	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		01/24/25 08:21	01/24/25 11:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/24/25 08:21	01/24/25 11:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:21	01/24/25 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	139	S1+	70 - 130	01/24/25 08:21	01/24/25 11:52	1
o-Terphenyl (Surr)	111		70 - 130	01/24/25 08:21	01/24/25 11:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.1		9.94	mg/Kg			01/24/25 20:59	1

Client Sample ID: LAT SOUTH # 1 0 - 1'

Lab Sample ID: 890-7594-14

Date Collected: 01/22/25 14:00

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		01/24/25 08:53	01/24/25 18:47	1
Toluene	0.00630		0.00202	mg/Kg		01/24/25 08:53	01/24/25 18:47	1
Ethylbenzene	0.00511		0.00202	mg/Kg		01/24/25 08:53	01/24/25 18:47	1
m,p-Xylenes	0.00548		0.00404	mg/Kg		01/24/25 08:53	01/24/25 18:47	1
o-Xylene	0.00224		0.00202	mg/Kg		01/24/25 08:53	01/24/25 18:47	1
Xylenes, Total	0.00772		0.00404	mg/Kg		01/24/25 08:53	01/24/25 18:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	01/24/25 08:53	01/24/25 18:47	1
1,4-Difluorobenzene (Surr)	106		70 - 130	01/24/25 08:53	01/24/25 18:47	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: LAT SOUTH # 1 0 - 1'

Lab Sample ID: 890-7594-14

Date Collected: 01/22/25 14:00

Matrix: Solid

Date Received: 01/22/25 17:21

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0191		0.00404	mg/Kg			01/24/25 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/24/25 12:08	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	<49.7	U	49.7	mg/Kg		01/24/25 08:21	01/24/25 12:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		01/24/25 08:21	01/24/25 12:08	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		01/24/25 08:21	01/24/25 12:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130			01/24/25 08:21	01/24/25 12:08	1
o-Terphenyl (Surr)	112		70 - 130			01/24/25 08:21	01/24/25 12:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		10.1	mg/Kg			01/24/25 21:05	1

Client Sample ID: LAT WEST # 1 0 - 1'

Lab Sample ID: 890-7594-15

Date Collected: 01/22/25 13:40

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 19:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 19:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 19:07	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/24/25 08:53	01/24/25 19:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 19:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/24/25 08:53	01/24/25 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			01/24/25 08:53	01/24/25 19:07	1
1,4-Difluorobenzene (Surr)	125		70 - 130			01/24/25 08:53	01/24/25 19:07	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/24/25 19:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/24/25 12:24	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		01/24/25 08:21	01/24/25 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/24/25 08:21	01/24/25 12:24	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: LAT WEST # 1 0 - 1'

Lab Sample ID: 890-7594-15

Date Collected: 01/22/25 13:40

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:21	01/24/25 12:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	141	S1+	70 - 130			01/24/25 08:21	01/24/25 12:24	1
o-Terphenyl (Surr)	111		70 - 130			01/24/25 08:21	01/24/25 12:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.2		10.0	mg/Kg			01/24/25 21:11	1

Client Sample ID: LAT WEST # 2 0 - 1'

Lab Sample ID: 890-7594-16

Date Collected: 01/22/25 13:45

Matrix: Solid

Date Received: 01/22/25 17:21

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 19:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 19:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 19:28	1
m,p-Xylenes	<0.00398	U	0.00398	mg/Kg		01/24/25 08:53	01/24/25 19:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/24/25 08:53	01/24/25 19:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/24/25 08:53	01/24/25 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			01/24/25 08:53	01/24/25 19:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130			01/24/25 08:53	01/24/25 19:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/24/25 19:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			01/24/25 12:41	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		01/24/25 08:21	01/24/25 12:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		01/24/25 08:21	01/24/25 12:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		01/24/25 08:21	01/24/25 12:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	133	S1+	70 - 130			01/24/25 08:21	01/24/25 12:41	1
o-Terphenyl (Surr)	110		70 - 130			01/24/25 08:21	01/24/25 12:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.3		9.98	mg/Kg			01/24/25 21:16	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-7594-1	AH # 1 3 - 4ft	165 S1+	96
890-7594-2	AH # 1 5 - 6ft	158 S1+	122
890-7594-3	AH # 1 7 - 8ft	125	104
890-7594-4	AH # 3 1ft	174 S1+	96
890-7594-5	AH # 3 2ft	103	124
890-7594-6	AH # 2 1 - 2ft	103	128
890-7594-7	AH # 2 2 - 3ft	89	104
890-7594-8	AH # 4 1ft	93	101
890-7594-9	AH # 4 2ft	167 S1+	100
890-7594-10	AH # 4 3ft	103	128
890-7594-11	AH # 4 4ft	88	109
890-7594-12	LAT EAST # 1 0 - 1'	91	110
890-7594-13	LAT EAST # 2 0 - 1'	93	110
890-7594-14	LAT SOUTH # 1 0 - 1'	97	106
890-7594-15	LAT WEST # 1 0 - 1'	104	125
890-7594-16	LAT WEST # 2 0 - 1'	94	110
890-7595-A-1-E MS	Matrix Spike	93	128
890-7595-A-1-F MSD	Matrix Spike Duplicate	90	127
890-7597-A-8-C MS	Matrix Spike	99	100
890-7597-A-8-D MSD	Matrix Spike Duplicate	100	101
890-7599-A-1-D MS	Matrix Spike	101	100
890-7599-A-1-E MSD	Matrix Spike Duplicate	105	99
890-7605-A-13-B MS	Matrix Spike	96	100
890-7605-A-13-C MSD	Matrix Spike Duplicate	97	101
LCS 880-101104/1-A	Lab Control Sample	92	127
LCS 880-101105/1-A	Lab Control Sample	98	99
LCS 880-101248/1-A	Lab Control Sample	102	99
LCS 880-101343/1-A	Lab Control Sample	95	100
LCSD 880-101104/2-A	Lab Control Sample Dup	92	129
LCSD 880-101105/2-A	Lab Control Sample Dup	100	100
LCSD 880-101248/2-A	Lab Control Sample Dup	99	100
LCSD 880-101343/2-A	Lab Control Sample Dup	109	98
MB 880-101104/5-A	Method Blank	88	103
MB 880-101105/5-A	Method Blank	99	93
MB 880-101248/5-A	Method Blank	101	95
MB 880-101343/5-A	Method Blank	95	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(70-130)
890-7594-1	AH # 1 3 - 4ft	245 S1+	293 S1+
890-7594-2	AH # 1 5 - 6ft	89	93
890-7594-3	AH # 1 7 - 8ft	83	83

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7594-4	AH # 3 1ft	77	82
890-7594-5	AH # 3 2ft	72	74
890-7594-6	AH # 2 1 - 2ft	72	73
890-7594-7	AH # 2 2 - 3ft	61 S1-	63 S1-
890-7594-8	AH # 4 1ft	74	72
890-7594-9	AH # 4 2ft	74	74
890-7594-10	AH # 4 3ft	75	71
890-7594-11	AH # 4 4ft	74	69 S1-
890-7594-12	LAT EAST # 1 0 - 1'	82	76
890-7594-13	LAT EAST # 2 0 - 1'	139 S1+	111
890-7594-14	LAT SOUTH # 1 0 - 1'	134 S1+	112
890-7594-15	LAT WEST # 1 0 - 1'	141 S1+	111
890-7594-16	LAT WEST # 2 0 - 1'	133 S1+	110
890-7595-A-1-B MS	Matrix Spike	86	83
890-7595-A-1-C MSD	Matrix Spike Duplicate	85	81
890-7597-A-4-B MS	Matrix Spike	72	68 S1-
890-7597-A-4-C MSD	Matrix Spike Duplicate	73	70
890-7597-A-10-B MS	Matrix Spike	77	91
890-7597-A-10-C MSD	Matrix Spike Duplicate	76	89
890-7597-A-16-B MS	Matrix Spike	134 S1+	139 S1+
890-7597-A-16-C MSD	Matrix Spike Duplicate	128	134 S1+
LCS 880-101079/2-A	Lab Control Sample	118	110
LCS 880-101080/2-A	Lab Control Sample	92	84
LCS 880-101081/2-A	Lab Control Sample	83	87
LCS 880-101082/2-A	Lab Control Sample	107	96
LCSD 880-101079/3-A	Lab Control Sample Dup	106	99
LCSD 880-101080/3-A	Lab Control Sample Dup	100	96
LCSD 880-101081/3-A	Lab Control Sample Dup	84	88
LCSD 880-101082/3-A	Lab Control Sample Dup	106	97
MB 880-101079/1-A	Method Blank	88	88
MB 880-101080/1-A	Method Blank	79	79
MB 880-101081/1-A	Method Blank	88	82
MB 880-101082/1-A	Method Blank	134 S1+	107

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-101104/5-A

Matrix: Solid

Analysis Batch: 101088

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101104

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 11:44	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 11:44	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 11:44	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/24/25 08:53	01/24/25 11:44	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/25 08:53	01/24/25 11:44	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/24/25 08:53	01/24/25 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	01/24/25 08:53	01/24/25 11:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/24/25 08:53	01/24/25 11:44	1

Lab Sample ID: LCS 880-101104/1-A

Matrix: Solid

Analysis Batch: 101088

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09541		mg/Kg		95	70 - 130
Toluene	0.100	0.08457		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09428		mg/Kg		94	70 - 130
m,p-Xylenes	0.200	0.1936		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09476		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

Lab Sample ID: LCSD 880-101104/2-A

Matrix: Solid

Analysis Batch: 101088

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101104

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09828		mg/Kg		98	70 - 130	3	35
Toluene	0.100	0.08832		mg/Kg		88	70 - 130	4	35
Ethylbenzene	0.100	0.09774		mg/Kg		98	70 - 130	4	35
m,p-Xylenes	0.200	0.1993		mg/Kg		100	70 - 130	3	35
o-Xylene	0.100	0.09614		mg/Kg		96	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	129		70 - 130

Lab Sample ID: 890-7595-A-1-E MS

Matrix: Solid

Analysis Batch: 101088

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09178		mg/Kg		92	70 - 130
Toluene	<0.00200	U	0.100	0.08112		mg/Kg		81	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7595-A-1-E MS

Matrix: Solid

Analysis Batch: 101088

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.09003		mg/Kg		90	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1837		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U	0.100	0.08953		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	128		70 - 130

Lab Sample ID: 890-7595-A-1-F MSD

Matrix: Solid

Analysis Batch: 101088

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101104

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09417		mg/Kg		94	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.08382		mg/Kg		84	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.09290		mg/Kg		93	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.1902		mg/Kg		95	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.09258		mg/Kg		93	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

Lab Sample ID: MB 880-101105/5-A

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101105

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/24/25 09:01	01/24/25 11:32	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/24/25 09:01	01/24/25 11:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/24/25 09:01	01/24/25 11:32	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/24/25 09:01	01/24/25 11:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/24/25 09:01	01/24/25 11:32	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/24/25 09:01	01/24/25 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/24/25 09:01	01/24/25 11:32	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/24/25 09:01	01/24/25 11:32	1

Lab Sample ID: LCS 880-101105/1-A

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09001		mg/Kg		90	70 - 130
Toluene	0.100	0.09254		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09533		mg/Kg		95	70 - 130
m,p-Xylenes	0.200	0.1782		mg/Kg		89	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: LCS 880-101105/1-A

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09116		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-101105/2-A

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101105

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09352		mg/Kg		94	70 - 130	4	35
Toluene	0.100	0.09546		mg/Kg		95	70 - 130	3	35
Ethylbenzene	0.100	0.09895		mg/Kg		99	70 - 130	4	35
m,p-Xylenes	0.200	0.1866		mg/Kg		93	70 - 130	5	35
o-Xylene	0.100	0.09441		mg/Kg		94	70 - 130	4	35

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

Lab Sample ID: 890-7597-A-8-C MS

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101105

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1	0.100	0.06900	F1	mg/Kg		69	70 - 130
Toluene	<0.00200	U F1	0.100	0.06676	F1	mg/Kg		67	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.100	0.06438	F1	mg/Kg		64	70 - 130
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.1187	F1	mg/Kg		59	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.06025	F1	mg/Kg		60	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7597-A-8-D MSD

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101105

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1	0.100	0.05443	F1	mg/Kg		54	70 - 130	24	35
Toluene	<0.00200	U F1	0.100	0.04923	F1	mg/Kg		49	70 - 130	30	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.04396	F2 F1	mg/Kg		44	70 - 130	38	35
m,p-Xylenes	<0.00399	U F2 F1	0.200	0.07971	F2 F1	mg/Kg		40	70 - 130	39	35
o-Xylene	<0.00200	U F1	0.100	0.04654	F1	mg/Kg		47	70 - 130	26	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7597-A-8-D MSD

Matrix: Solid

Analysis Batch: 101085

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101105

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-101248/5-A

Matrix: Solid

Analysis Batch: 101242

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101248

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/27/25 08:36	01/27/25 11:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/27/25 08:36	01/27/25 11:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/27/25 08:36	01/27/25 11:21	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/27/25 08:36	01/27/25 11:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/27/25 08:36	01/27/25 11:21	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/27/25 08:36	01/27/25 11:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	01/27/25 08:36	01/27/25 11:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/27/25 08:36	01/27/25 11:21	1

Lab Sample ID: LCS 880-101248/1-A

Matrix: Solid

Analysis Batch: 101242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08463		mg/Kg		85	70 - 130
Toluene	0.100	0.08720		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.09055		mg/Kg		91	70 - 130
m,p-Xylenes	0.200	0.1707		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08683		mg/Kg		87	70 - 130

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

Lab Sample ID: LCSD 880-101248/2-A

Matrix: Solid

Analysis Batch: 101242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101248

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08861		mg/Kg		89	70 - 130	5	35
Toluene	0.100	0.09188		mg/Kg		92	70 - 130	5	35
Ethylbenzene	0.100	0.09454		mg/Kg		95	70 - 130	4	35
m,p-Xylenes	0.200	0.1780		mg/Kg		89	70 - 130	4	35
o-Xylene	0.100	0.09050		mg/Kg		90	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-101248/2-A

Matrix: Solid

Analysis Batch: 101242

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101248

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

Lab Sample ID: 890-7599-A-1-D MS

Matrix: Solid

Analysis Batch: 101242

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00200	U	0.100	0.07901		mg/Kg		79	70 - 130
Toluene	<0.00200	U	0.100	0.08141		mg/Kg		81	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08441		mg/Kg		84	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1588		mg/Kg		79	70 - 130
o-Xylene	<0.00200	U	0.100	0.08083		mg/Kg		81	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7599-A-1-E MSD

Matrix: Solid

Analysis Batch: 101242

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.08223		mg/Kg		82	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08458		mg/Kg		85	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.08706		mg/Kg		87	70 - 130	3	35
m,p-Xylenes	<0.00399	U	0.200	0.1635		mg/Kg		82	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.08339		mg/Kg		83	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-101343/5-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101343

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/28/25 08:15	01/28/25 11:15	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/28/25 08:15	01/28/25 11:15	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/28/25 08:15	01/28/25 11:15	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		01/28/25 08:15	01/28/25 11:15	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/28/25 08:15	01/28/25 11:15	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/28/25 08:15	01/28/25 11:15	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	95		70 - 130	01/28/25 08:15	01/28/25 11:15	1		
1,4-Difluorobenzene (Surr)	94		70 - 130	01/28/25 08:15	01/28/25 11:15	1		

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: LCS 880-101343/1-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09541		mg/Kg		95	70 - 130
Toluene	0.100	0.1022		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.1057		mg/Kg		106	70 - 130
m,p-Xylenes	0.200	0.1897		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-101343/2-A

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09888		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.1085		mg/Kg		108	70 - 130	3	35
m,p-Xylenes	0.200	0.1958		mg/Kg		98	70 - 130	3	35
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-7605-A-13-B MS

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09483		mg/Kg		95	70 - 130
Toluene	<0.00200	U	0.100	0.09875		mg/Kg		99	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09901		mg/Kg		99	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.1764		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.09740		mg/Kg		97	70 - 130

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

Lab Sample ID: 890-7605-A-13-C MSD

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09940		mg/Kg		99	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.1031		mg/Kg		103	70 - 130	4	35
Ethylbenzene	<0.00200	U	0.100	0.1040		mg/Kg		104	70 - 130	5	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7605-A-13-C MSD

Matrix: Solid

Analysis Batch: 101240

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m,p-Xylenes	<0.00399	U	0.200	0.1838		mg/Kg		92	70 - 130	4	35
o-Xylene	<0.00200	U	0.100	0.1039		mg/Kg		104	70 - 130	6	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	97		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								

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

Lab Sample ID: MB 880-101079/1-A

Matrix: Solid

Analysis Batch: 101107

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101079

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/24/25 08:11	01/24/25 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/24/25 08:11	01/24/25 01:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:11	01/24/25 01:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	88		70 - 130			01/24/25 08:11	01/24/25 01:07	1
o-Terphenyl (Surr)	88		70 - 130			01/24/25 08:11	01/24/25 01:07	1

Lab Sample ID: LCS 880-101079/2-A

Matrix: Solid

Analysis Batch: 101107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	848.3		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1-Chlorooctane (Surr)	118		70 - 130					
o-Terphenyl (Surr)	110		70 - 130					

Lab Sample ID: LCSD 880-101079/3-A

Matrix: Solid

Analysis Batch: 101107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101079

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	742.5		mg/Kg		74	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	939.7		mg/Kg		94	70 - 130	9	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: LCSD 880-101079/3-A

Matrix: Solid

Analysis Batch: 101107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101079

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	99		70 - 130

Lab Sample ID: 890-7595-A-1-B MS

Matrix: Solid

Analysis Batch: 101107

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	782.5		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	855.5		mg/Kg		84	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	86		70 - 130
o-Terphenyl (Surr)	83		70 - 130

Lab Sample ID: 890-7595-A-1-C MSD

Matrix: Solid

Analysis Batch: 101107

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	808.0		mg/Kg		81	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U	999	793.1		mg/Kg		78	70 - 130	8	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	85		70 - 130
o-Terphenyl (Surr)	81		70 - 130

Lab Sample ID: MB 880-101080/1-A

Matrix: Solid

Analysis Batch: 101108

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101080

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/24/25 08:16	01/24/25 01:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/24/25 08:16	01/24/25 01:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:16	01/24/25 01:07	1

	MB	MB	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	79		70 - 130
o-Terphenyl (Surr)	79		70 - 130

	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	01/24/25 08:16	01/24/25 01:07	1
o-Terphenyl (Surr)	01/24/25 08:16	01/24/25 01:07	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: LCS 880-101080/2-A

Matrix: Solid

Analysis Batch: 101108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	766.8		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	1000	773.9		mg/Kg		77	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	92		70 - 130				
o-Terphenyl (Surr)	84		70 - 130				

Lab Sample ID: LCSD 880-101080/3-A

Matrix: Solid

Analysis Batch: 101108

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101080

Top Data: 10 Rows											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	857.2		mg/Kg	-	86	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	834.5		mg/Kg		83	70 - 130	8	20
Bottom Data: 3 Rows											
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane (Surr)	100		70 - 130								
o-Terphenyl (Surr)	96		70 - 130								

Lab Sample ID: 890-7597-A-4-B MS

Matrix: Solid

Analysis Batch: 101108

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101080

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	663.5	F1	mg/Kg		66	70 - 130		
Diesel Range Organics (Over C10-C28)	82.0		999	791.5		mg/Kg		71	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	72		70 - 130								
o-Terphenyl (Surr)	68	S1-	70 - 130								

Lab Sample ID: 890-7597-A-4-C MSD

Matrix: Solid

Analysis Batch: 101108

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101080

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	999	727.1		mg/Kg		73	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	82.0		999	866.1		mg/Kg		78	70 - 130	9	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	73		70 - 130								

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7597-A-4-C MSD

Matrix: Solid

Analysis Batch: 101108

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101080

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl (Surr)	70		70 - 130

Lab Sample ID: MB 880-101081/1-A

Matrix: Solid

Analysis Batch: 101110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101081

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/24/25 08:19	01/24/25 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/24/25 08:19	01/24/25 01:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:19	01/24/25 01:51	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
%Recovery	Qualifier							
1-Chlorooctane (Surr)	88		70 - 130			01/24/25 08:19	01/24/25 01:51	1
<i>o</i> -Terphenyl (Surr)	82		70 - 130			01/24/25 08:19	01/24/25 01:51	1

Lab Sample ID: LCS 880-101081/2-A

Matrix: Solid

Analysis Batch: 101110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	752.3		mg/Kg		75	70 - 130
Diesel Range Organics (Over C10-C28)	1000	762.5		mg/Kg		76	70 - 130
Surrogate	LCS	LCS	Limits				
%Recovery	Qualifier						
1-Chlorooctane (Surr)	83		70 - 130				
<i>o</i> -Terphenyl (Surr)	87		70 - 130				

Lab Sample ID: LCSD 880-101081/3-A

Matrix: Solid

Analysis Batch: 101110

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101081

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	762.9		mg/Kg		76	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	769.2		mg/Kg		77	70 - 130	1	20
Surrogate	LCSD	LCSD	Limits						
%Recovery	Qualifier								
1-Chlorooctane (Surr)	84		70 - 130						
<i>o</i> -Terphenyl (Surr)	88		70 - 130						

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: 890-7597-A-10-B MS

Matrix: Solid

Analysis Batch: 101110

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101081

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	731.2		mg/Kg		73	70 - 130
Diesel Range Organics (Over C10-C28)	862		996	1652		mg/Kg		79	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	77		70 - 130						
o-Terphenyl (Surr)	91		70 - 130						

Lab Sample ID: 890-7597-A-10-C MSD

Matrix: Solid

Analysis Batch: 101110

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101081

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	722.0		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	862		996	1601		mg/Kg		74	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	76		70 - 130								
o-Terphenyl (Surr)	89		70 - 130								

Lab Sample ID: MB 880-101082/1-A

Matrix: Solid

Analysis Batch: 101112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 101082

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/24/25 08:21	01/24/25 01:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/24/25 08:21	01/24/25 01:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/24/25 08:21	01/24/25 01:51	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	134	S1+	70 - 130			01/24/25 08:21	01/24/25 01:51	1
o-Terphenyl (Surr)	107		70 - 130			01/24/25 08:21	01/24/25 01:51	1

Lab Sample ID: LCS 880-101082/2-A

Matrix: Solid

Analysis Batch: 101112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101082

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	995.4		mg/Kg		100	70 - 130
Diesel Range Organics (Over C10-C28)	1000	886.5		mg/Kg		89	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

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

Lab Sample ID: LCS 880-101082/2-A

Matrix: Solid

Analysis Batch: 101112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 101082

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	107		70 - 130
o-Terphenyl (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-101082/3-A

Matrix: Solid

Analysis Batch: 101112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 101082

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	957.3		mg/Kg		96	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	896.6		mg/Kg		90	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	106		70 - 130
o-Terphenyl (Surr)	97		70 - 130

Lab Sample ID: 890-7597-A-16-B MS

Matrix: Solid

Analysis Batch: 101112

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 101082

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1217		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	1720		997	2549		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	134	S1+	70 - 130
o-Terphenyl (Surr)	139	S1+	70 - 130

Lab Sample ID: 890-7597-A-16-C MSD

Matrix: Solid

Analysis Batch: 101112

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 101082

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1180		mg/Kg		117	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1720		997	2479		mg/Kg		76	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	128		70 - 130
o-Terphenyl (Surr)	134	S1+	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101118/1-A

Matrix: Solid

Analysis Batch: 101148

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			01/24/25 18:20	1

Lab Sample ID: LCS 880-101118/2-A

Matrix: Solid

Analysis Batch: 101148

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.1		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-101118/3-A

Matrix: Solid

Analysis Batch: 101148

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	257.6		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-7594-7 MS

Matrix: Solid

Analysis Batch: 101148

Client Sample ID: AH # 2 2 - 3ft

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.1		251	284.3		mg/Kg		103	90 - 110

Lab Sample ID: 890-7594-7 MSD

Matrix: Solid

Analysis Batch: 101148

Client Sample ID: AH # 2 2 - 3ft

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	25.1		251	284.6		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

GC VOA

Analysis Batch: 101085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	8021B	101105
MB 880-101105/5-A	Method Blank	Total/NA	Solid	8021B	101105
LCS 880-101105/1-A	Lab Control Sample	Total/NA	Solid	8021B	101105
LCSD 880-101105/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101105
890-7597-A-8-C MS	Matrix Spike	Total/NA	Solid	8021B	101105
890-7597-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101105

Analysis Batch: 101088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-2	AH # 1 5 - 6ft	Total/NA	Solid	8021B	101104
890-7594-5	AH # 3 2ft	Total/NA	Solid	8021B	101104
890-7594-6	AH # 2 1 - 2ft	Total/NA	Solid	8021B	101104
890-7594-7	AH # 2 2 - 3ft	Total/NA	Solid	8021B	101104
890-7594-8	AH # 4 1ft	Total/NA	Solid	8021B	101104
890-7594-10	AH # 4 3ft	Total/NA	Solid	8021B	101104
890-7594-11	AH # 4 4ft	Total/NA	Solid	8021B	101104
890-7594-12	LAT EAST # 1 0 - 1'	Total/NA	Solid	8021B	101104
890-7594-13	LAT EAST # 2 0 - 1'	Total/NA	Solid	8021B	101104
890-7594-14	LAT SOUTH # 1 0 - 1'	Total/NA	Solid	8021B	101104
890-7594-15	LAT WEST # 1 0 - 1'	Total/NA	Solid	8021B	101104
890-7594-16	LAT WEST # 2 0 - 1'	Total/NA	Solid	8021B	101104
MB 880-101104/5-A	Method Blank	Total/NA	Solid	8021B	101104
LCS 880-101104/1-A	Lab Control Sample	Total/NA	Solid	8021B	101104
LCSD 880-101104/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101104
890-7595-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	101104
890-7595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101104

Prep Batch: 101104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-2	AH # 1 5 - 6ft	Total/NA	Solid	5035	
890-7594-5	AH # 3 2ft	Total/NA	Solid	5035	
890-7594-6	AH # 2 1 - 2ft	Total/NA	Solid	5035	
890-7594-7	AH # 2 2 - 3ft	Total/NA	Solid	5035	
890-7594-8	AH # 4 1ft	Total/NA	Solid	5035	
890-7594-10	AH # 4 3ft	Total/NA	Solid	5035	
890-7594-11	AH # 4 4ft	Total/NA	Solid	5035	
890-7594-12	LAT EAST # 1 0 - 1'	Total/NA	Solid	5035	
890-7594-13	LAT EAST # 2 0 - 1'	Total/NA	Solid	5035	
890-7594-14	LAT SOUTH # 1 0 - 1'	Total/NA	Solid	5035	
890-7594-15	LAT WEST # 1 0 - 1'	Total/NA	Solid	5035	
890-7594-16	LAT WEST # 2 0 - 1'	Total/NA	Solid	5035	
MB 880-101104/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101104/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101104/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7595-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-7595-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 101105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	5035	
MB 880-101105/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

GC VOA (Continued)

Prep Batch: 101105 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-101105/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101105/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7597-A-8-C MS	Matrix Spike	Total/NA	Solid	5035	
890-7597-A-8-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 101177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	Total BTEX	
890-7594-2	AH # 1 5 - 6ft	Total/NA	Solid	Total BTEX	
890-7594-3	AH # 1 7 - 8ft	Total/NA	Solid	Total BTEX	
890-7594-4	AH # 3 1ft	Total/NA	Solid	Total BTEX	
890-7594-5	AH # 3 2ft	Total/NA	Solid	Total BTEX	
890-7594-6	AH # 2 1 - 2ft	Total/NA	Solid	Total BTEX	
890-7594-7	AH # 2 2 - 3ft	Total/NA	Solid	Total BTEX	
890-7594-8	AH # 4 1ft	Total/NA	Solid	Total BTEX	
890-7594-9	AH # 4 2ft	Total/NA	Solid	Total BTEX	
890-7594-10	AH # 4 3ft	Total/NA	Solid	Total BTEX	
890-7594-11	AH # 4 4ft	Total/NA	Solid	Total BTEX	
890-7594-12	LAT EAST # 1 0 - 1'	Total/NA	Solid	Total BTEX	
890-7594-13	LAT EAST # 2 0 - 1'	Total/NA	Solid	Total BTEX	
890-7594-14	LAT SOUTH # 1 0 - 1'	Total/NA	Solid	Total BTEX	
890-7594-15	LAT WEST # 1 0 - 1'	Total/NA	Solid	Total BTEX	
890-7594-16	LAT WEST # 2 0 - 1'	Total/NA	Solid	Total BTEX	

Analysis Batch: 101240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-3	AH # 1 7 - 8ft	Total/NA	Solid	8021B	101343
MB 880-101343/5-A	Method Blank	Total/NA	Solid	8021B	101343
LCS 880-101343/1-A	Lab Control Sample	Total/NA	Solid	8021B	101343
LCSD 880-101343/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101343
890-7605-A-13-B MS	Matrix Spike	Total/NA	Solid	8021B	101343
890-7605-A-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101343

Analysis Batch: 101242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	8021B	101248
890-7594-4	AH # 3 1ft	Total/NA	Solid	8021B	101248
890-7594-9	AH # 4 2ft	Total/NA	Solid	8021B	101248
MB 880-101248/5-A	Method Blank	Total/NA	Solid	8021B	101248
LCS 880-101248/1-A	Lab Control Sample	Total/NA	Solid	8021B	101248
LCSD 880-101248/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	101248
890-7599-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	101248
890-7599-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	101248

Prep Batch: 101248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	5035	
890-7594-4	AH # 3 1ft	Total/NA	Solid	5035	
890-7594-9	AH # 4 2ft	Total/NA	Solid	5035	
MB 880-101248/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101248/1-A	Lab Control Sample	Total/NA	Solid	5035	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

GC VOA (Continued)

Prep Batch: 101248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-101248/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7599-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-7599-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 101343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-3	AH # 1 7 - 8ft	Total/NA	Solid	5035	
MB 880-101343/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-101343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-101343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7605-A-13-B MS	Matrix Spike	Total/NA	Solid	5035	
890-7605-A-13-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 101079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	8015NM Prep	
890-7594-2	AH # 1 5 - 6ft	Total/NA	Solid	8015NM Prep	
890-7594-3	AH # 1 7 - 8ft	Total/NA	Solid	8015NM Prep	
890-7594-4	AH # 3 1ft	Total/NA	Solid	8015NM Prep	
MB 880-101079/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101079/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101079/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7595-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7595-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 101080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-5	AH # 3 2ft	Total/NA	Solid	8015NM Prep	
890-7594-6	AH # 2 1 - 2ft	Total/NA	Solid	8015NM Prep	
890-7594-7	AH # 2 2 - 3ft	Total/NA	Solid	8015NM Prep	
890-7594-8	AH # 4 1ft	Total/NA	Solid	8015NM Prep	
MB 880-101080/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101080/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101080/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7597-A-4-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7597-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 101081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-9	AH # 4 2ft	Total/NA	Solid	8015NM Prep	
890-7594-10	AH # 4 3ft	Total/NA	Solid	8015NM Prep	
890-7594-11	AH # 4 4ft	Total/NA	Solid	8015NM Prep	
890-7594-12	LAT EAST # 1 0 - 1'	Total/NA	Solid	8015NM Prep	
MB 880-101081/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101081/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101081/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7597-A-10-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7597-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

GC Semi VOA

Prep Batch: 101082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-13	LAT EAST # 2 0 - 1'	Total/NA	Solid	8015NM Prep	
890-7594-14	LAT SOUTH # 1 0 - 1'	Total/NA	Solid	8015NM Prep	
890-7594-15	LAT WEST # 1 0 - 1'	Total/NA	Solid	8015NM Prep	
890-7594-16	LAT WEST # 2 0 - 1'	Total/NA	Solid	8015NM Prep	
MB 880-101082/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-101082/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-101082/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7597-A-16-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7597-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 101107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	8015B NM	101079
890-7594-2	AH # 1 5 - 6ft	Total/NA	Solid	8015B NM	101079
890-7594-3	AH # 1 7 - 8ft	Total/NA	Solid	8015B NM	101079
890-7594-4	AH # 3 1ft	Total/NA	Solid	8015B NM	101079
MB 880-101079/1-A	Method Blank	Total/NA	Solid	8015B NM	101079
LCS 880-101079/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101079
LCSD 880-101079/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101079
890-7595-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101079
890-7595-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101079

Analysis Batch: 101108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-5	AH # 3 2ft	Total/NA	Solid	8015B NM	101080
890-7594-6	AH # 2 1 - 2ft	Total/NA	Solid	8015B NM	101080
890-7594-7	AH # 2 2 - 3ft	Total/NA	Solid	8015B NM	101080
890-7594-8	AH # 4 1ft	Total/NA	Solid	8015B NM	101080
MB 880-101080/1-A	Method Blank	Total/NA	Solid	8015B NM	101080
LCS 880-101080/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101080
LCSD 880-101080/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101080
890-7597-A-4-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101080
890-7597-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101080

Analysis Batch: 101110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-9	AH # 4 2ft	Total/NA	Solid	8015B NM	101081
890-7594-10	AH # 4 3ft	Total/NA	Solid	8015B NM	101081
890-7594-11	AH # 4 4ft	Total/NA	Solid	8015B NM	101081
890-7594-12	LAT EAST # 1 0 - 1'	Total/NA	Solid	8015B NM	101081
MB 880-101081/1-A	Method Blank	Total/NA	Solid	8015B NM	101081
LCS 880-101081/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101081
LCSD 880-101081/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101081
890-7597-A-10-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101081
890-7597-A-10-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101081

Analysis Batch: 101112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-13	LAT EAST # 2 0 - 1'	Total/NA	Solid	8015B NM	101082
890-7594-14	LAT SOUTH # 1 0 - 1'	Total/NA	Solid	8015B NM	101082
890-7594-15	LAT WEST # 1 0 - 1'	Total/NA	Solid	8015B NM	101082

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

GC Semi VOA (Continued)

Analysis Batch: 101112 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-16	LAT WEST # 2 0 - 1'	Total/NA	Solid	8015B NM	101082
MB 880-101082/1-A	Method Blank	Total/NA	Solid	8015B NM	101082
LCS 880-101082/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	101082
LCSD 880-101082/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	101082
890-7597-A-16-B MS	Matrix Spike	Total/NA	Solid	8015B NM	101082
890-7597-A-16-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	101082

Analysis Batch: 101168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Total/NA	Solid	8015 NM	
890-7594-2	AH # 1 5 - 6ft	Total/NA	Solid	8015 NM	
890-7594-3	AH # 1 7 - 8ft	Total/NA	Solid	8015 NM	
890-7594-4	AH # 3 1ft	Total/NA	Solid	8015 NM	
890-7594-5	AH # 3 2ft	Total/NA	Solid	8015 NM	
890-7594-6	AH # 2 1 - 2ft	Total/NA	Solid	8015 NM	
890-7594-7	AH # 2 2 - 3ft	Total/NA	Solid	8015 NM	
890-7594-8	AH # 4 1ft	Total/NA	Solid	8015 NM	
890-7594-9	AH # 4 2ft	Total/NA	Solid	8015 NM	
890-7594-10	AH # 4 3ft	Total/NA	Solid	8015 NM	
890-7594-11	AH # 4 4ft	Total/NA	Solid	8015 NM	
890-7594-12	LAT EAST # 1 0 - 1'	Total/NA	Solid	8015 NM	
890-7594-13	LAT EAST # 2 0 - 1'	Total/NA	Solid	8015 NM	
890-7594-14	LAT SOUTH # 1 0 - 1'	Total/NA	Solid	8015 NM	
890-7594-15	LAT WEST # 1 0 - 1'	Total/NA	Solid	8015 NM	
890-7594-16	LAT WEST # 2 0 - 1'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 101118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Soluble	Solid	DI Leach	
890-7594-2	AH # 1 5 - 6ft	Soluble	Solid	DI Leach	
890-7594-3	AH # 1 7 - 8ft	Soluble	Solid	DI Leach	
890-7594-4	AH # 3 1ft	Soluble	Solid	DI Leach	
890-7594-5	AH # 3 2ft	Soluble	Solid	DI Leach	
890-7594-6	AH # 2 1 - 2ft	Soluble	Solid	DI Leach	
890-7594-7	AH # 2 2 - 3ft	Soluble	Solid	DI Leach	
890-7594-8	AH # 4 1ft	Soluble	Solid	DI Leach	
890-7594-9	AH # 4 2ft	Soluble	Solid	DI Leach	
890-7594-10	AH # 4 3ft	Soluble	Solid	DI Leach	
890-7594-11	AH # 4 4ft	Soluble	Solid	DI Leach	
890-7594-12	LAT EAST # 1 0 - 1'	Soluble	Solid	DI Leach	
890-7594-13	LAT EAST # 2 0 - 1'	Soluble	Solid	DI Leach	
890-7594-14	LAT SOUTH # 1 0 - 1'	Soluble	Solid	DI Leach	
890-7594-15	LAT WEST # 1 0 - 1'	Soluble	Solid	DI Leach	
890-7594-16	LAT WEST # 2 0 - 1'	Soluble	Solid	DI Leach	
MB 880-101118/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101118/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101118/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7594-7 MS	AH # 2 2 - 3ft	Soluble	Solid	DI Leach	
890-7594-7 MSD	AH # 2 2 - 3ft	Soluble	Solid	DI Leach	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

HPLC/IC

Analysis Batch: 101148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7594-1	AH # 1 3 - 4ft	Soluble	Solid	300.0	101118
890-7594-2	AH # 1 5 - 6ft	Soluble	Solid	300.0	101118
890-7594-3	AH # 1 7 - 8ft	Soluble	Solid	300.0	101118
890-7594-4	AH # 3 1ft	Soluble	Solid	300.0	101118
890-7594-5	AH # 3 2ft	Soluble	Solid	300.0	101118
890-7594-6	AH # 2 1 - 2ft	Soluble	Solid	300.0	101118
890-7594-7	AH # 2 2 - 3ft	Soluble	Solid	300.0	101118
890-7594-8	AH # 4 1ft	Soluble	Solid	300.0	101118
890-7594-9	AH # 4 2ft	Soluble	Solid	300.0	101118
890-7594-10	AH # 4 3ft	Soluble	Solid	300.0	101118
890-7594-11	AH # 4 4ft	Soluble	Solid	300.0	101118
890-7594-12	LAT EAST # 1 0 - 1'	Soluble	Solid	300.0	101118
890-7594-13	LAT EAST # 2 0 - 1'	Soluble	Solid	300.0	101118
890-7594-14	LAT SOUTH # 1 0 - 1'	Soluble	Solid	300.0	101118
890-7594-15	LAT WEST # 1 0 - 1'	Soluble	Solid	300.0	101118
890-7594-16	LAT WEST # 2 0 - 1'	Soluble	Solid	300.0	101118
MB 880-101118/1-A	Method Blank	Soluble	Solid	300.0	101118
LCS 880-101118/2-A	Lab Control Sample	Soluble	Solid	300.0	101118
LCSD 880-101118/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101118
890-7594-7 MS	AH # 2 2 - 3ft	Soluble	Solid	300.0	101118
890-7594-7 MSD	AH # 2 2 - 3ft	Soluble	Solid	300.0	101118

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 1 3 - 4ft**Lab Sample ID: 890-7594-1****Date Collected: 01/22/25 11:23****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101105	01/24/25 14:00	AA	EET MID
Total/NA	Analysis	8021B		500	5 mL	5 mL	101085	01/24/25 20:16	MNR	EET MID
Total/NA	Prep	5035			5.01 g	5 mL	101248	01/27/25 08:36	AA	EET MID
Total/NA	Analysis	8021B		5000	5 mL	5 mL	101242	01/27/25 14:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/27/25 14:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101079	01/24/25 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		20	1 uL	1 uL	101107	01/24/25 11:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 19:13	CH	EET MID

Client Sample ID: AH # 1 5 - 6ft**Lab Sample ID: 890-7594-2****Date Collected: 01/22/25 11:35****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	101088	01/24/25 14:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 14:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 11:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	101079	01/24/25 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101107	01/24/25 11:54	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 19:30	CH	EET MID

Client Sample ID: AH # 1 7 - 8ft**Lab Sample ID: 890-7594-3****Date Collected: 01/22/25 11:45****Matrix: Solid****Date Received: 01/22/25 17:21**

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	101343	01/28/25 11:53	MNR	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	101240	01/28/25 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/28/25 14:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101079	01/24/25 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101107	01/24/25 12:09	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 19:36	CH	EET MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 3 1ft**Lab Sample ID: 890-7594-4****Date Collected: 01/22/25 12:00****Matrix: Solid****Date Received: 01/22/25 17:21**

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	101248	01/27/25 17:00	AA	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	101242	01/27/25 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/27/25 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101079	01/24/25 08:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101107	01/24/25 12:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 19:42	CH	EET MID

Client Sample ID: AH # 3 2ft**Lab Sample ID: 890-7594-5****Date Collected: 01/22/25 12:04****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 13:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 13:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 11:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101080	01/24/25 08:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101108	01/24/25 11:40	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 19:48	CH	EET MID

Client Sample ID: AH # 2 1 - 2ft**Lab Sample ID: 890-7594-6****Date Collected: 01/22/25 11:51****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 13:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 13:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 11:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101080	01/24/25 08:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101108	01/24/25 11:54	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 19:54	CH	EET MID

Client Sample ID: AH # 2 2 - 3ft**Lab Sample ID: 890-7594-7****Date Collected: 01/22/25 11:54****Matrix: Solid****Date Received: 01/22/25 17:21**

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	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 16:44	SM	EET MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 2 2 - 3ft**Date Collected: 01/22/25 11:54****Date Received: 01/22/25 17:21****Lab Sample ID: 890-7594-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101080	01/24/25 08:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101108	01/24/25 12:09	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:00	CH	EET MID

Client Sample ID: AH # 4 1ft**Date Collected: 01/22/25 12:15****Date Received: 01/22/25 17:21****Lab Sample ID: 890-7594-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 17:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101080	01/24/25 08:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101108	01/24/25 12:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:17	CH	EET MID

Client Sample ID: AH # 4 2ft**Date Collected: 01/22/25 12:18****Date Received: 01/22/25 17:21****Lab Sample ID: 890-7594-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	101248	01/27/25 17:00	AA	EET MID
Total/NA	Analysis	8021B		10	5 mL	5 mL	101242	01/27/25 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/27/25 18:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101081	01/24/25 08:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101110	01/24/25 11:52	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:23	CH	EET MID

Client Sample ID: AH # 4 3ft**Date Collected: 01/22/25 12:21****Date Received: 01/22/25 17:21****Lab Sample ID: 890-7594-10****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 17:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101081	01/24/25 08:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101110	01/24/25 12:08	TKC	EET MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: AH # 4 3ft**Lab Sample ID: 890-7594-10****Date Collected: 01/22/25 12:21****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:41	CH	EET MID

Client Sample ID: AH # 4 4ft**Lab Sample ID: 890-7594-11****Date Collected: 01/22/25 12:23****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 17:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 17:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101081	01/24/25 08:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101110	01/24/25 12:24	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:47	CH	EET MID

Client Sample ID: LAT EAST # 1 0 - 1'**Lab Sample ID: 890-7594-12****Date Collected: 01/22/25 14:05****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 18:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 18:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101081	01/24/25 08:19	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101110	01/24/25 12:41	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:53	CH	EET MID

Client Sample ID: LAT EAST # 2 0 - 1'**Lab Sample ID: 890-7594-13****Date Collected: 01/22/25 14:05****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 11:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	101082	01/24/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101112	01/24/25 11:52	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 20:59	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Client Sample ID: LAT SOUTH # 1 0 - 1'**Lab Sample ID: 890-7594-14****Date Collected: 01/22/25 14:00****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 18:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 18:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	101082	01/24/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101112	01/24/25 12:08	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 21:05	CH	EET MID

Client Sample ID: LAT WEST # 1 0 - 1'**Lab Sample ID: 890-7594-15****Date Collected: 01/22/25 13:40****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 19:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 19:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	101082	01/24/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101112	01/24/25 12:24	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 21:11	CH	EET MID

Client Sample ID: LAT WEST # 2 0 - 1'**Lab Sample ID: 890-7594-16****Date Collected: 01/22/25 13:45****Matrix: Solid****Date Received: 01/22/25 17:21**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	101104	01/24/25 08:53	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	101088	01/24/25 19:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			101177	01/24/25 19:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			101168	01/24/25 12:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	101082	01/24/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	101112	01/24/25 12:41	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	101118	01/24/25 09:32	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101148	01/24/25 21:16	CH	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
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 MID
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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: HOLLY YOUNGER JUNCTION

Job ID: 890-7594-1
SDG: LOCO HILLS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7594-1	AH # 1 3 - 4ft	Solid	01/22/25 11:23	01/22/25 17:21
890-7594-2	AH # 1 5 - 6ft	Solid	01/22/25 11:35	01/22/25 17:21
890-7594-3	AH # 1 7 - 8ft	Solid	01/22/25 11:45	01/22/25 17:21
890-7594-4	AH # 3 1ft	Solid	01/22/25 12:00	01/22/25 17:21
890-7594-5	AH # 3 2ft	Solid	01/22/25 12:04	01/22/25 17:21
890-7594-6	AH # 2 1 - 2ft	Solid	01/22/25 11:51	01/22/25 17:21
890-7594-7	AH # 2 2 - 3ft	Solid	01/22/25 11:54	01/22/25 17:21
890-7594-8	AH # 4 1ft	Solid	01/22/25 12:15	01/22/25 17:21
890-7594-9	AH # 4 2ft	Solid	01/22/25 12:18	01/22/25 17:21
890-7594-10	AH # 4 3ft	Solid	01/22/25 12:21	01/22/25 17:21
890-7594-11	AH # 4 4ft	Solid	01/22/25 12:23	01/22/25 17:21
890-7594-12	LAT EAST # 1 0 - 1'	Solid	01/22/25 14:05	01/22/25 17:21
890-7594-13	LAT EAST # 2 0 - 1'	Solid	01/22/25 14:05	01/22/25 17:21
890-7594-14	LAT SOUTH # 1 0 - 1'	Solid	01/22/25 14:00	01/22/25 17:21
890-7594-15	LAT WEST # 1 0 - 1'	Solid	01/22/25 13:40	01/22/25 17:21
890-7594-16	LAT WEST # 2 0 - 1'	Solid	01/22/25 13:45	01/22/25 17:21



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
 Little Rock, AR (501) 224-5060

Work Order No: _____

Page 1 of 2

Project Manager:	Turned 6/10/25	Bill to: (if different)	
Company Name:	402C	Company Name:	
Address:	10 Dugan Dr	Address:	
City, State ZIP:	Midland	City, State ZIP:	
Phone:		Email:	

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes			
Project Number:		<input type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code												None: NO DI Water: H ₂ O	
Project Location:		Due Date:		Parameters												Cool: Cool MeOH: Me	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm		CL EPA 300												HCL: HC HNO ₃	
PO #:				402C												H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Temp Blank: Yes No		Wet Ice: Yes No												H ₃ PO ₄ : HP	
Samples Received Intact: Yes No		Thermometer ID: 111111		Correction Factor: -0.2												NaHSO ₄ : NABIS	
Cooler Custody Seals: Yes No		N/A		Temperature Reading: 4.2												Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals: Yes No		N/A		Corrected Temperature: 4.0												Zn Acetate+NaOH: Zn	
Total Containers:																NaOH+Ascorbic Acid: SAPC	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont											Sample Comments
AH #1 3-4ft	S	6-22-23	11:23	3-4	G	1											
AH #1 5-6ft	S	✓	11:35	5-6	G	1											
AH #1 7-8ft	S	✓	11:45	7-8	G	1											
AH #3 1ft	S	✓	12:00	1'	G	1											
AH #3 2ft	S	✓	12:04	2'	G	1											
AH #2 1-2ft	S	✓	11:51	1-2'	G	1											
AH #2 2-3ft	S	✓	11:54	2-3'	G	1											
AH #4 1ft	S	✓	12:13	1'	G	1											
AH #4 2ft	S	✓	12:18	2'	G	1											
AH #4 3ft	S	✓	12:21	3'	G	1											

Total 200.7/6010	200.8/6020:	8RCRA 13PPM Texas 11	Al Sh As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na S Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP/SPLP 6010: 8RCRA	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631/245.1/7470/7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
PROB	8/10/25	12:23 11:21			



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
 Little Rock, AR (501) 224-5060

Work Order No: _____

Page 2 of 2

Project Manager:	<u>Stoffel</u>	Bill to: (if different)	
Company Name:	<u>TRC</u>	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:		<u>Holly Younger Junction</u>		Turn Around		ANALYSIS REQUEST																Preservative Codes					
Project Number:				<input type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code																		None: NO DI Water: H ₂ O			
Project Location:				Due Date:																				Cool: Cool MeOH: Me			
Sampler's Name:		<u>Rebecca Pons</u>		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃			
PO #:																								H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																		H ₃ PO ₄ : HP	
Samples Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		<u>11111</u>																		NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		<u>-0.2</u>																		Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		<u>4.2</u>																		Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:		<u>4.0</u>																		NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments			
<u>A#4 2/8</u>		<u>S</u>	<u>1-22-25</u>	<u>12:23</u>	<u>4-8</u>	<u>G</u>	<u>1</u>																				
<u>Lat East #1 0-1'</u>		<u>S</u>	<u>1-22-25</u>	<u>13:05</u>	<u>0-1</u>	<u>G</u>	<u>1</u>																				
<u>Lat East #2 0-1'</u>		<u>S</u>	<u>1-22-25</u>	<u>14:05</u>	<u>0-1</u>	<u>G</u>	<u>1</u>																				
<u>Lat South 0-1'</u>		<u>S</u>	<u>1-22-25</u>	<u>14:00</u>	<u>0-1</u>	<u>G</u>	<u>1</u>																				
<u>Lat West #1 0-1'</u>		<u>S</u>	<u>1-22-25</u>	<u>13:40</u>	<u>0-1</u>	<u>G</u>	<u>1</u>																				
<u>Lat West #2 0-1'</u>		<u>S</u>	<u>1-22-25</u>	<u>13:45</u>	<u>0-1</u>	<u>G</u>	<u>1</u>																				

Total 200.7/6010	200.8/6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471	

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>1-22-25 10:24</u>			
3			4		
5			6		

Eurofins Carlsbad

1089 N Canal St.

Carlsbad, NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kramer, Jessica		Carrier Tracking No(s): N/A		COC No: 890-4525.1		
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 1 of 2		
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Texas				Job #: 890-7594-1		
Address: 1211 W. Florida Ave,		Due Date Requested: 1/28/2025		Analysis Requested				Preservation Codes:		
City: Midland		TAT Requested (days): N/A						Other: N/A		
State, Zip: TX, 79701										
Phone: 432-704-5440(Tel)		PO #: N/A								
Email: N/A		WO #: N/A								
Project Name: HOLLY YOUNGER JUNCTION		Project #: 89000189								
Site: N/A		SSOW#: N/A								
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		
						Preservation Code:				
AH # 1 3 - 4ft (890-7594-1)		1/22/25		11:23 Central		G		Solid		
AH # 1 5 - 6ft (890-7594-2)		1/22/25		11:35 Central		G		Solid		
AH # 1 7 - 8ft (890-7594-3)		1/22/25		11:45 Central		G		Solid		
AH # 3 1ft (890-7594-4)		1/22/25		12:00 Central		G		Solid		
AH # 3 2ft (890-7594-5)		1/22/25		12:04 Central		G		Solid		
AH # 2 1 - 2ft (890-7594-6)		1/22/25		11:51 Central		G		Solid		
AH # 2 2 - 3ft (890-7594-7)		1/22/25		11:54 Central		G		Solid		
AH # 4 1ft (890-7594-8)		1/22/25		12:15 Central		G		Solid		
AH # 4 2ft (890-7594-9)		1/22/25		12:18 Central		G		Solid		
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:					
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:			
Relinquished by:			Date/Time:		Company		Received by:		Date/Time:	
Relinquished by:			Date/Time:		Company		Received by:		Date/Time:	
Relinquished by:			Date/Time:		Company		Received by:		Date/Time:	
Custody Seals Intact:		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:					
Δ Yes Δ No					1.6/1.5					

Ver: 10/10/2024

Eurofins Carlsbad

1089 N Canal St.

Carlsbad, NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kramer, Jessica		Carrier Tracking No(s): N/A		COC No: 890-4525.2											
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 2 of 2											
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Texas				Job #: 890-7594-1											
Address: 1211 W. Florida Ave,		Due Date Requested: 1/28/2025		Analysis Requested						Preservation Codes: -									
City: Midland		TAT Requested (days): N/A																	
State, Zip: TX, 79701		PO #: N/A		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8021B/5035FP_Calc BTEX 8015MOD_NM/8015NM_S_Prep TPH 8015 NM 300_ORGFM_28D/DI_LEACH Chloride 8015MOD_Calc Total_BTEX_GCV		Total Number of containers		Other: N/A											
Phone: 432-704-5440(Tel)		WO #: N/A																	
Email: N/A		Project #: 89000189																	
Project Name: HOLLY YOUNGER JUNCTION		SSOW#: N/A																	
Site: N/A																			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)							Special Instructions/Note:							
				Preservation Code:															
AH # 4 3ft (890-7594-10)		1/22/25	12:21 Central	G	Solid		X	X	X	X	X							1	
AH # 4 4ft (890-7594-11)		1/22/25	12:23 Central	G	Solid		X	X	X	X	X							1	
LAT EAST # 1 0 - 1' (890-7594-12)		1/22/25	14:05 Central	G	Solid		X	X	X	X	X							1	
LAT EAST # 2 0 - 1' (890-7594-13)		1/22/25	14:05 Central	G	Solid		X	X	X	X	X							1	
LAT SOUTH # 1 0 - 1' (890-7594-14)		1/22/25	14:00 Central	G	Solid		X	X	X	X	X							1	
LAT WEST # 1 0 - 1' (890-7594-15)		1/22/25	13:40 Central	G	Solid		X	X	X	X	X							1	
LAT WEST # 2 0 - 1' (890-7594-16)		1/22/25	13:45 Central	G	Solid		X	X	X	X	X							1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.</p>																			
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
Unconfirmed										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 2									
Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:										Date:									
Date/Time:										Time:									
Relinquished by:										Method of Shipment:									
Date/Time:										Received by:									
Company:										Date/Time:									
Relinquished by:										Company:									
Date/Time:										Received by:									
Company:										Date/Time:									
Relinquished by:										Company:									
Date/Time:										Received by:									
Company:										Date/Time:									
Custody Seals Intact:										Cooler Temperature(s) °C and Other Remarks:									
Custody Seal No.:																			
Δ Yes Δ No																			

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-7594-1

SDG Number: LOCO HILLS

Login Number: 7594

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-7594-1

SDG Number: LOCO HILLS

Login Number: 7594**List Number: 2****Creator: Laing, Edmundo****List Source: Eurofins Midland****List Creation: 01/24/25 08:12 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Analytical Data Review Checklist

Site: Holly Younger Junction Location: Loco Hills, NM Client Name: HF SinclairMidstream Project #: 650142		Laboratory: Eurofins Environment Testing, Midland, TX Lab Report #: 890-7594-1 (Revision 2) Reviewer: Nancy Bergstrom Peer Reviewer: Elizabeth Denly Review Date: 6/10/2025	
Analytical Method(s): -Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) with Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, and Xylenes, Total by SW-846 Method 8021B -Total Petroleum Hydrocarbons (TPH) with Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO) by SW-846 Method 8015B NM -Chloride by EPA Method 300.0	Matrices Sampled: Soil	Sample Collection Date(s): 1/22/2025	
Sampling Objective(s): Release Response Investigation			
Sample IDs (List IDs or attach COC): AH #1 3-4ft, AH #1 5-6ft, AH #1 7-8ft, AH #3 1ft, AH #3 2ft, AH #2 1-2ft, AH #2 2-3ft, AH #4 1ft, AH #4 2ft, AH#4 3ft, AH #4 4ft, Lat East #1 0-1', Lat East #2 0-1', Lat South #1 0-1', Lat West #1 0-1', Lat West #2 0-1'			

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?	X			
2	Did the laboratory report correct sample IDs?		X		The laboratory logged in the sample IDs for samples 890-7594-12 through 890-7594-16 as LAT EAST #1 0-1', LAT EAST #2 0-1', LAT SOUTH #1 0-1', LAT WEST #1 0-1', and LAT WEST #2 0-1'
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
5	Are results reported for all samples submitted for analysis?	X			
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		X		The laboratory did not report the results of the soil samples on a dry weight basis. 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?		X		Results were reported by the laboratory to the reporting limit (RL).
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		All samples were received and analyzed by the laboratory from unpreserved bulk soil jars. New Mexico allows for collection of VOC soil samples in unpreserved bulk soil jars.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).	X			All BTEX: AH #1 5-6ft (50x), AH #1 7-8ft (10x), AH #3 1ft (10x), AH #4 2ft (10x) All BTEX (except toluene): AH #1 3-4ft (500x) Toluene (only): AH #1 3-4ft (5000x) GRO/DRO/ORO: AH #1 3-4ft (20x)
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?		X		No explanation was provided for the sample dilutions.
QC Results					
Blanks^b					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).			X	Field blank samples were not submitted with this data set.



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes^c					
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			ORO is not analyzed for the 8015B NM LCS/LCSD.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			
Matrix Spikes^c Note: If not performed on a project sample, evaluation is not required.					
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/MSD analyses were performed on the following sample from this data set: -AH #2 2-3ft for chloride
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	X			
Surrogates^c					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		<p>The surrogate percent recoveries (%Rs) for 4-bromofluorobenzene were above the laboratory control limits (70-130%) in samples AH #1 3-4ft (165%), AH #1 5-6ft (158%), AH #3 1ft (174%), and AH #4 2ft (167%). The positive results for all BTEX analytes and Total BTEX in samples AH #1 3-4ft, AH #1 5-6ft, and AH #3 1ft may be considered estimated (J+) with a potential high bias. The positive results for all BTEX analytes (except benzene) and Total BTEX in sample AH #4 2ft may be considered estimated (J+) with a potential high bias. The nondetect result for benzene in sample AH #4 2ft did not require qualification.</p> <p>The surrogate %Rs for 1-chlorooctane (245%) and o-terphenyl (293%) were above the laboratory control limits (70-130%) in sample AH #1 3-4ft. The positive results for GRO and ORO and Total TPH in sample AH #1 3-4ft may be considered estimated (J+) with a potential high bias. The nondetect result for ORO did not require qualification.</p> <p>The surrogate %Rs for 1-chlorooctane (61%) and o-terphenyl (63%) were below the laboratory control limits (70-130%) in sample AH #2 2-3ft. The nondetect results for GRO, DRO, and ORO and Total TPH in sample AH #2 2-3ft may be considered estimated (UJ).</p> <p>The surrogate %R for o-terphenyl (69%) was below the laboratory control limits (70-130%) in sample AH #4 4ft. The nondetect results for GRO, DRO, and ORO and Total TPH in sample AH #4 4ft may be considered estimated.</p> <p>The %Rs for 1-chlorooctane were above the laboratory control limits (70-130%) in samples Lat East #2 0-1' (139%), Lat South #1 0-1' (134%), Lat West #1 0-1' (141%), and Lat West #2 0-1' (133%). The nondetect results for GRO, DRO, and ORO and total TPH did not require qualification.</p>
Duplicates^c Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not performed on a sample from this data set.
30	Were field duplicate criteria met? Refer to RPD and/or Tips tabs for typical criteria. If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.			X	Field duplicate samples were not submitted with this data set.
Do the Data Make Sense?					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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			The case narrative had the following note: Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: AH #2 2-3ft (890-7947-7). Percent recoveries are based on the spike amount. No validation actions are required on this basis.
32	Were any other potential data quality issues identified? If yes, describe issues.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?	X			
Additional Comments: The laboratory report was revised to: 1) Correct the final volume for the chloride analyses, resulting in the correction of the reporting limit from 2 mg/kg to 10 mg/kg for the chloride results. 2) Provide the COC between the Carlsbad, NM and Midland, TX facilities.					

Notes:

After data tables are created, check that reporting limits are below the project action levels (e.g., screening criteria, remediation standards, etc.) and compare data with historical results, if applicable. List any findings from this evaluation, when applicable, in the Additional Comments box above.

- a Comments generally need to be addressed in the TRC deliverable presenting the laboratory data, but this will be dependent on project requirements.
- b Check if local or regional criteria for blank assessments are available; these will supersede criteria in this checklist.
- c Use QC limits in QAPP, if available. If not, use QC limits provided by laboratory in data package.

The EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020) or most recent version found here:

<https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>

are typically used for data review guidelines when other project or state/regulatory data review guidance is not available. Project and state/regulatory data review guidance should be used and cited when applicable.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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Abbreviations:

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Chain-of-Custody
DRO	Diesel Range Organics
EDD	Electronic Data Deliverable
GRO	Gasoline Range Organics
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
ORO	Oil Range Organics
QAPP	Quality Assurance Project Plan
QC	Quality Control
RPD	Relative Percent Difference
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Bryan Gilbert
TRC Solutions, Inc.
505 East Huntland Drive
Suite 250
Austin, Texas 78752

Generated 6/10/2025 8:58:22 AM Revision 1

JOB DESCRIPTION

YOUNGER JUNCTION
650142

JOB NUMBER

890-8013-1

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



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

Generated
6/10/2025 8:58:22 AM
Revision 1

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Laboratory Job ID: 890-8013-1
SDG: 650142

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low 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

Case Narrative

Client: TRC Solutions, Inc.
Project: YOUNGER JUNCTION

Job ID: 890-8013-1

Job ID: 890-8013-1**Eurofins Carlsbad**

Job Narrative
890-8013-1

REVISION

The report being provided is a revision of the original report sent on 4/24/2025. The report (revision 1) is being revised due to Interoffice paperwork missing on final report..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/18/2025 8:08 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 3.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 2W - 1 (890-8013-1), SW - 2S - 1 (890-8013-2), BS - 2A - 2 (890-8013-3), BS - 2B - 2 (890-8013-4), BS - 2C - 2 (890-8013-5), TB - 041725 - 1 (890-8013-6) and TB - 041725 - 1 (890-8013-7).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108183 and analytical batch 880-108179 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 surrogate recovery for the blank associated with preparation batch 880-108183 and analytical batch 880-108179 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW - 2W - 1 (890-8013-1), BS - 2A - 2 (890-8013-3), BS - 2B - 2 (890-8013-4) and BS - 2C - 2 (890-8013-5). 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.

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SW - 2S - 1 (890-8013-2), BS - 2A - 2 (890-8013-3), (CCV 880-108276/30), (CCV 880-108276/73), (CCV 880-108276/84), (LCS 880-108161/2-A), (LCSD 880-108161/3-A), (890-7984-A-1-C), (890-7984-A-1-D MS) and (890-7984-A-1-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108161 and analytical batch 880-108276 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 8015MOD_NM: The laboratory control sample duplicate (LCSD) for preparation batch 880-108161 and analytical batch 880-108276 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28). Since only an acceptable LCS or LCSD is required per the method, the LCS shows recovery for the batch therefore the data has been qualified and reported.

Eurofins Carlsbad

Case Narrative

Client: TRC Solutions, Inc.
Project: YOUNGER JUNCTION

Job ID: 890-8013-1

Job ID: 890-8013-1 (Continued)Eurofins Carlsbad

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.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: SW - 2W - 1

Lab Sample ID: 890-8013-1

Date Collected: 04/17/25 14:31

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1 F2	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:42	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:42	1
Ethylbenzene	<0.00200	U F1 F2	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:42	1
m,p-Xylenes	<0.00399	U F1 F2	0.00399	mg/Kg		04/21/25 09:09	04/21/25 13:42	1
o-Xylene	<0.00200	U F1 F2	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:42	1
Xylenes, Total	<0.00399	U F1 F2	0.00399	mg/Kg		04/21/25 09:09	04/21/25 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	257	S1+	70 - 130	04/21/25 09:09	04/21/25 13:42	1
1,4-Difluorobenzene (Surr)	75		70 - 130	04/21/25 09:09	04/21/25 13:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/21/25 13:42	1

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			04/23/25 02:01	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		04/20/25 19:33	04/23/25 02:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U ** *1	49.9	mg/Kg		04/20/25 19:33	04/23/25 02:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/20/25 19:33	04/23/25 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	71		70 - 130	04/20/25 19:33	04/23/25 02:01	1
o-Terphenyl (Surr)	72		70 - 130	04/20/25 19:33	04/23/25 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	121		10.0	mg/Kg			04/22/25 09:20	1

Client Sample ID: SW - 2S - 1

Lab Sample ID: 890-8013-2

Date Collected: 04/17/25 14:15

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/21/25 09:09	04/21/25 14:02	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/21/25 09:09	04/21/25 14:02	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/21/25 09:09	04/21/25 14:02	1
m,p-Xylenes	<0.00402	U	0.00402	mg/Kg		04/21/25 09:09	04/21/25 14:02	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/21/25 09:09	04/21/25 14:02	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/21/25 09:09	04/21/25 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	04/21/25 09:09	04/21/25 14:02	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: SW - 2S - 1

Lab Sample ID: 890-8013-2

Date Collected: 04/17/25 14:15

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 1

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	114		70 - 130	04/21/25 09:09	04/21/25 14:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/21/25 14:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			04/23/25 02:22	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		04/20/25 19:33	04/23/25 02:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8	mg/Kg		04/20/25 19:33	04/23/25 02:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/20/25 19:33	04/23/25 02:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	66	S1-	70 - 130			04/20/25 19:33	04/23/25 02:22	1
o-Terphenyl (Surr)	66	S1-	70 - 130			04/20/25 19:33	04/23/25 02:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		9.94	mg/Kg			04/22/25 09:43	1

Client Sample ID: BS - 2A - 2

Lab Sample ID: 890-8013-3

Date Collected: 04/17/25 14:18

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/21/25 09:09	04/21/25 14:23	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/21/25 09:09	04/21/25 14:23	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/21/25 09:09	04/21/25 14:23	1
m,p-Xylenes	<0.00404	U	0.00404	mg/Kg		04/21/25 09:09	04/21/25 14:23	1
o-Xylene	0.00224		0.00202	mg/Kg		04/21/25 09:09	04/21/25 14:23	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/21/25 09:09	04/21/25 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	260	S1+	70 - 130	04/21/25 09:09	04/21/25 14:23	1
1,4-Difluorobenzene (Surr)	131	S1+	70 - 130	04/21/25 09:09	04/21/25 14:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			04/21/25 14:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	402		49.7	mg/Kg			04/23/25 02:43	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: BS - 2A - 2

Lab Sample ID: 890-8013-3

Date Collected: 04/17/25 14:18

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 2

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	<49.7	U	49.7	mg/Kg		04/20/25 19:33	04/23/25 02:43	1
Diesel Range Organics (Over C10-C28)	308	*+ *1	49.7	mg/Kg		04/20/25 19:33	04/23/25 02:43	1
Oil Range Organics (Over C28-C36)	93.9		49.7	mg/Kg		04/20/25 19:33	04/23/25 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	68	S1-	70 - 130			04/20/25 19:33	04/23/25 02:43	1
o-Terphenyl (Surr)	66	S1-	70 - 130			04/20/25 19:33	04/23/25 02:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	169		9.92	mg/Kg			04/22/25 09:50	1

Client Sample ID: BS - 2B - 2

Lab Sample ID: 890-8013-4

Date Collected: 04/17/25 14:22

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/21/25 09:09	04/21/25 14:43	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/21/25 09:09	04/21/25 14:43	1
Ethylbenzene	0.00203		0.00199	mg/Kg		04/21/25 09:09	04/21/25 14:43	1
m,p-Xylenes	0.00595		0.00398	mg/Kg		04/21/25 09:09	04/21/25 14:43	1
o-Xylene	0.00901		0.00199	mg/Kg		04/21/25 09:09	04/21/25 14:43	1
Xylenes, Total	0.0150		0.00398	mg/Kg		04/21/25 09:09	04/21/25 14:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	309	S1+	70 - 130			04/21/25 09:09	04/21/25 14:43	1
1,4-Difluorobenzene (Surr)	85		70 - 130			04/21/25 09:09	04/21/25 14:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0170		0.00398	mg/Kg			04/21/25 14:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	488		50.0	mg/Kg			04/23/25 03:03	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		04/20/25 19:33	04/23/25 03:03	1
Diesel Range Organics (Over C10-C28)	381	*+ *1	50.0	mg/Kg		04/20/25 19:33	04/23/25 03:03	1
Oil Range Organics (Over C28-C36)	107		50.0	mg/Kg		04/20/25 19:33	04/23/25 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	79		70 - 130			04/20/25 19:33	04/23/25 03:03	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: BS - 2B - 2

Lab Sample ID: 890-8013-4

Date Collected: 04/17/25 14:22

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	80		70 - 130	04/20/25 19:33	04/23/25 03:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		9.96	mg/Kg			04/22/25 09:58	1

Client Sample ID: BS - 2C - 2

Lab Sample ID: 890-8013-5

Date Collected: 04/17/25 14:27

Matrix: Solid

Date Received: 04/18/25 08:08

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 15:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 15:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 15:04	1
m,p-Xylenes	0.00863		0.00399	mg/Kg		04/21/25 09:09	04/21/25 15:04	1
o-Xylene	0.0186		0.00200	mg/Kg		04/21/25 09:09	04/21/25 15:04	1
Xylenes, Total	0.0272		0.00399	mg/Kg		04/21/25 09:09	04/21/25 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	04/21/25 09:09	04/21/25 15:04	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/21/25 09:09	04/21/25 15:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0272		0.00399	mg/Kg			04/21/25 15:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	953		49.8	mg/Kg			04/23/25 03:23	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	<49.8	U	49.8	mg/Kg		04/20/25 19:33	04/23/25 03:23	1
Diesel Range Organics (Over C10-C28)	745	*+ *1	49.8	mg/Kg		04/20/25 19:33	04/23/25 03:23	1
Oil Range Organics (Over C28-C36)	208		49.8	mg/Kg		04/20/25 19:33	04/23/25 03:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	80		70 - 130	04/20/25 19:33	04/23/25 03:23	1
o-Terphenyl (Surr)	79		70 - 130	04/20/25 19:33	04/23/25 03:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	203		9.94	mg/Kg			04/22/25 10:05	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: TB - 041725 - 1

Lab Sample ID: 890-8013-7

Date Collected: 04/17/25 00:00

Matrix: Water

Date Received: 04/18/25 08:08

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			04/22/25 02:24	1
Toluene	<0.00200	U	0.00200	mg/L			04/22/25 02:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			04/22/25 02:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			04/22/25 02:24	1
o-Xylene	<0.00200	U	0.00200	mg/L			04/22/25 02:24	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			04/22/25 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		04/22/25 02:24	1
1,4-Difluorobenzene (Surr)	98		70 - 130		04/22/25 02:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/L			04/22/25 02:24	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8013-1	SW - 2W - 1	257 S1+	75
890-8013-1 MS	SW - 2W - 1	468 S1+	177 S1+
890-8013-1 MSD	SW - 2W - 1	319 S1+	58 S1-
890-8013-2	SW - 2S - 1	130	114
890-8013-3	BS - 2A - 2	260 S1+	131 S1+
890-8013-4	BS - 2B - 2	309 S1+	85
890-8013-5	BS - 2C - 2	66 S1-	74
LCS 880-108183/1-A	Lab Control Sample	118	106
LCSD 880-108183/2-A	Lab Control Sample Dup	125	103
MB 880-108183/5-A	Method Blank	178 S1+	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-56919-C-1 MS	Matrix Spike	106	99
880-56919-C-1 MSD	Matrix Spike Duplicate	101	100
890-8013-7	TB - 041725 - 1	105	98
LCS 880-108178/34	Lab Control Sample	101	99
LCSD 880-108178/35	Lab Control Sample Dup	99	102
MB 880-108178/39	Method Blank	103	95
MB 880-108186/5-A	Method Blank	100	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7984-A-1-D MS	Matrix Spike	69 S1-	65 S1-
890-7984-A-1-E MSD	Matrix Spike Duplicate	73	68 S1-
890-8013-1	SW - 2W - 1	71	72
890-8013-2	SW - 2S - 1	66 S1-	66 S1-
890-8013-3	BS - 2A - 2	68 S1-	66 S1-
890-8013-4	BS - 2B - 2	79	80
890-8013-5	BS - 2C - 2	80	79
LCS 880-108161/2-A	Lab Control Sample	18 S1-	14 S1-
LCSD 880-108161/3-A	Lab Control Sample Dup	25 S1-	19 S1-
MB 880-108161/1-A	Method Blank	79	80

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION
OTPH = o-Terphenyl (Surr)

Job ID: 890-8013-1
SDG: 650142

- 1
- 2
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- 14

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108178/39

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			04/22/25 02:02	1
Toluene	<0.00200	U	0.00200	mg/L			04/22/25 02:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			04/22/25 02:02	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			04/22/25 02:02	1
o-Xylene	<0.00200	U	0.00200	mg/L			04/22/25 02:02	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			04/22/25 02:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		04/22/25 02:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130		04/22/25 02:02	1

Lab Sample ID: LCS 880-108178/34

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09501		mg/L		95	70 - 130
Toluene	0.100	0.09225		mg/L		92	70 - 130
Ethylbenzene	0.100	0.09437		mg/L		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1931		mg/L		97	70 - 130
o-Xylene	0.100	0.09748		mg/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-108178/35

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09978		mg/L		100	70 - 130	5	20
Toluene	0.100	0.09585		mg/L		96	70 - 130	4	20
Ethylbenzene	0.100	0.09723		mg/L		97	70 - 130	3	20
m-Xylene & p-Xylene	0.200	0.1977		mg/L		99	70 - 130	2	20
o-Xylene	0.100	0.09977		mg/L		100	70 - 130	2	20

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

Lab Sample ID: 880-56919-C-1 MS

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08782		mg/L		88	70 - 130
Toluene	<0.00200	U	0.100	0.08385		mg/L		84	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

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

Lab Sample ID: 880-56919-C-1 MS

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08885		mg/L		89	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1805		mg/L		90	70 - 130
o-Xylene	<0.00200	U	0.100	0.09181		mg/L		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-56919-C-1 MSD

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09113		mg/L		91	70 - 130	4	25
Toluene	<0.00200	U	0.100	0.08756		mg/L		88	70 - 130	4	25
Ethylbenzene	<0.00200	U	0.100	0.09230		mg/L		92	70 - 130	4	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1871		mg/L		94	70 - 130	4	25
o-Xylene	<0.00200	U	0.100	0.09583		mg/L		96	70 - 130	4	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-108183/5-A

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108183

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:13	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		04/21/25 09:09	04/21/25 13:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/21/25 09:09	04/21/25 13:13	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/21/25 09:09	04/21/25 13:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	178	S1+	70 - 130	04/21/25 09:09	04/21/25 13:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/21/25 09:09	04/21/25 13:13	1

Lab Sample ID: LCS 880-108183/1-A

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108183

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09519		mg/Kg		95	70 - 130
Toluene	0.100	0.08629		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08673		mg/Kg		87	70 - 130
m,p-Xylenes	0.200	0.2055		mg/Kg		103	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

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

Lab Sample ID: LCS 880-108183/1-A

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108183

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1038		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-108183/2-A

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108183

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09904		mg/Kg		99	70 - 130	4	35
Toluene	0.100	0.08132		mg/Kg		81	70 - 130	6	35
Ethylbenzene	0.100	0.1040		mg/Kg		104	70 - 130	18	35
m,p-Xylenes	0.200	0.2132		mg/Kg		107	70 - 130	4	35
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	125		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-8013-1 MS

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: SW - 2W - 1

Prep Type: Total/NA

Prep Batch: 108183

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U F1 F2	0.100	0.1919	F1	mg/Kg		192	70 - 130
Toluene	<0.00200	U	0.100	0.07301		mg/Kg		73	70 - 130
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1874	F1	mg/Kg		187	70 - 130
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.7082	F1	mg/Kg		354	70 - 130
o-Xylene	<0.00200	U F1 F2	0.100	0.3730	F1	mg/Kg		373	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	468	S1+	70 - 130
1,4-Difluorobenzene (Surr)	177	S1+	70 - 130

Lab Sample ID: 890-8013-1 MSD

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: SW - 2W - 1

Prep Type: Total/NA

Prep Batch: 108183

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.100	0.04833	F1 F2	mg/Kg		48	70 - 130	120	35
Toluene	<0.00200	U	0.100	0.06982		mg/Kg		70	70 - 130	4	35
Ethylbenzene	<0.00200	U F1 F2	0.100	0.1267	F2	mg/Kg		127	70 - 130	39	35
m,p-Xylenes	<0.00399	U F1 F2	0.200	0.4807	F1 F2	mg/Kg		240	70 - 130	38	35
o-Xylene	<0.00200	U F1 F2	0.100	0.2520	F1 F2	mg/Kg		252	70 - 130	39	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

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

Lab Sample ID: 890-8013-1 MSD

Matrix: Solid

Analysis Batch: 108179

Client Sample ID: SW - 2W - 1

Prep Type: Total/NA

Prep Batch: 108183

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	319	S1+	70 - 130
1,4-Difluorobenzene (Surr)	58	S1-	70 - 130

Lab Sample ID: MB 880-108186/5-A

Matrix: Water

Analysis Batch: 108178

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108186

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.00200	U	0.00200	mg/L		04/21/25 09:21	04/21/25 15:02	1	
Toluene	<0.00200	U	0.00200	mg/L		04/21/25 09:21	04/21/25 15:02	1	
Ethylbenzene	<0.00200	U	0.00200	mg/L		04/21/25 09:21	04/21/25 15:02	1	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L		04/21/25 09:21	04/21/25 15:02	1	
o-Xylene	<0.00200	U	0.00200	mg/L		04/21/25 09:21	04/21/25 15:02	1	
Xylenes, Total	<0.00400	U	0.00400	mg/L		04/21/25 09:21	04/21/25 15:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			04/21/25 09:21	04/21/25 15:02	1	
1,4-Difluorobenzene (Surr)	94		70 - 130			04/21/25 09:21	04/21/25 15:02	1	

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

Lab Sample ID: MB 880-108161/1-A

Matrix: Solid

Analysis Batch: 108276

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108161

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/20/25 19:33	04/22/25 19:52	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/20/25 19:33	04/22/25 19:52	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/20/25 19:33	04/22/25 19:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane (Surr)	79		70 - 130			04/20/25 19:33	04/22/25 19:52	1	
o-Terphenyl (Surr)	80		70 - 130			04/20/25 19:33	04/22/25 19:52	1	

Lab Sample ID: LCS 880-108161/2-A

Matrix: Solid

Analysis Batch: 108276

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108161

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1053		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130		
Surrogate	%Recovery	LCS Qualifier	Limits						
1-Chlorooctane (Surr)	18	S1-	70 - 130						
o-Terphenyl (Surr)	14	S1-	70 - 130						

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

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

Lab Sample ID: LCSD 880-108161/3-A

Matrix: Solid

Analysis Batch: 108276

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108161

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1291		mg/Kg		129	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	1448	*+ *1	mg/Kg		145	70 - 130	30	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	25	S1-	70 - 130						
o-Terphenyl (Surr)	19	S1-	70 - 130						

Lab Sample ID: 890-7984-A-1-D MS

Matrix: Solid

Analysis Batch: 108276

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108161

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	984.9		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1 F1	999	615.8	F1	mg/Kg		62	70 - 130		
Surrogate	%Recovery	MS Qualifier	Limits								
1-Chlorooctane (Surr)	69	S1-	70 - 130								
o-Terphenyl (Surr)	65	S1-	70 - 130								

Lab Sample ID: 890-7984-A-1-E MSD

Matrix: Solid

Analysis Batch: 108276

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	871.5		mg/Kg		87	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1 F1	999	660.0	F1	mg/Kg		66	70 - 130	7	20
Surrogate	%Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	73		70 - 130								
o-Terphenyl (Surr)	68	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108264/1-A

Matrix: Solid

Analysis Batch: 108284

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			04/22/25 08:35	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-108264/2-A

Matrix: Solid

Analysis Batch: 108284

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.5		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-108264/3-A

Matrix: Solid

Analysis Batch: 108284

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	266.9		mg/Kg		107	90 - 110	4	20

Lab Sample ID: 890-8013-1 MS

Matrix: Solid

Analysis Batch: 108284

Client Sample ID: SW - 2W - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	121		251	370.3		mg/Kg		100	90 - 110

Lab Sample ID: 890-8013-1 MSD

Matrix: Solid

Analysis Batch: 108284

Client Sample ID: SW - 2W - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	121		251	371.1		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

GC VOA

Analysis Batch: 108178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-7	TB - 041725 - 1	Total/NA	Water	8021B	108186
MB 880-108178/39	Method Blank	Total/NA	Water	8021B	
MB 880-108186/5-A	Method Blank	Total/NA	Water	8021B	
LCS 880-108178/34	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-108178/35	Lab Control Sample Dup	Total/NA	Water	8021B	
880-56919-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-56919-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 108179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Total/NA	Solid	8021B	108183
890-8013-2	SW - 2S - 1	Total/NA	Solid	8021B	108183
890-8013-3	BS - 2A - 2	Total/NA	Solid	8021B	108183
890-8013-4	BS - 2B - 2	Total/NA	Solid	8021B	108183
890-8013-5	BS - 2C - 2	Total/NA	Solid	8021B	108183
MB 880-108183/5-A	Method Blank	Total/NA	Solid	8021B	108183
LCS 880-108183/1-A	Lab Control Sample	Total/NA	Solid	8021B	108183
LCSD 880-108183/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108183
890-8013-1 MS	SW - 2W - 1	Total/NA	Solid	8021B	108183
890-8013-1 MSD	SW - 2W - 1	Total/NA	Solid	8021B	108183

Prep Batch: 108183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Total/NA	Solid	5035	108186
890-8013-2	SW - 2S - 1	Total/NA	Solid	5035	
890-8013-3	BS - 2A - 2	Total/NA	Solid	5035	
890-8013-4	BS - 2B - 2	Total/NA	Solid	5035	
890-8013-5	BS - 2C - 2	Total/NA	Solid	5035	
MB 880-108183/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108183/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108183/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8013-1 MS	SW - 2W - 1	Total/NA	Solid	5035	
890-8013-1 MSD	SW - 2W - 1	Total/NA	Solid	5035	

Prep Batch: 108186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-108186/5-A	Method Blank	Total/NA	Water	5035	108312

Analysis Batch: 108312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Total/NA	Solid	Total BTEX	108312
890-8013-2	SW - 2S - 1	Total/NA	Solid	Total BTEX	
890-8013-3	BS - 2A - 2	Total/NA	Solid	Total BTEX	
890-8013-4	BS - 2B - 2	Total/NA	Solid	Total BTEX	
890-8013-5	BS - 2C - 2	Total/NA	Solid	Total BTEX	
890-8013-7	TB - 041725 - 1	Total/NA	Water	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

GC Semi VOA

Prep Batch: 108161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Total/NA	Solid	8015NM Prep	
890-8013-2	SW - 2S - 1	Total/NA	Solid	8015NM Prep	
890-8013-3	BS - 2A - 2	Total/NA	Solid	8015NM Prep	
890-8013-4	BS - 2B - 2	Total/NA	Solid	8015NM Prep	
890-8013-5	BS - 2C - 2	Total/NA	Solid	8015NM Prep	
MB 880-108161/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108161/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108161/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7984-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7984-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 108276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Total/NA	Solid	8015B NM	108161
890-8013-2	SW - 2S - 1	Total/NA	Solid	8015B NM	108161
890-8013-3	BS - 2A - 2	Total/NA	Solid	8015B NM	108161
890-8013-4	BS - 2B - 2	Total/NA	Solid	8015B NM	108161
890-8013-5	BS - 2C - 2	Total/NA	Solid	8015B NM	108161
MB 880-108161/1-A	Method Blank	Total/NA	Solid	8015B NM	108161
LCS 880-108161/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108161
LCSD 880-108161/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108161
890-7984-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	108161
890-7984-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108161

Analysis Batch: 108415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Total/NA	Solid	8015 NM	
890-8013-2	SW - 2S - 1	Total/NA	Solid	8015 NM	
890-8013-3	BS - 2A - 2	Total/NA	Solid	8015 NM	
890-8013-4	BS - 2B - 2	Total/NA	Solid	8015 NM	
890-8013-5	BS - 2C - 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 108264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Soluble	Solid	DI Leach	
890-8013-2	SW - 2S - 1	Soluble	Solid	DI Leach	
890-8013-3	BS - 2A - 2	Soluble	Solid	DI Leach	
890-8013-4	BS - 2B - 2	Soluble	Solid	DI Leach	
890-8013-5	BS - 2C - 2	Soluble	Solid	DI Leach	
MB 880-108264/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108264/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108264/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8013-1 MS	SW - 2W - 1	Soluble	Solid	DI Leach	
890-8013-1 MSD	SW - 2W - 1	Soluble	Solid	DI Leach	

Analysis Batch: 108284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-1	SW - 2W - 1	Soluble	Solid	300.0	108264
890-8013-2	SW - 2S - 1	Soluble	Solid	300.0	108264

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

HPLC/IC (Continued)

Analysis Batch: 108284 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8013-3	BS - 2A - 2	Soluble	Solid	300.0	108264
890-8013-4	BS - 2B - 2	Soluble	Solid	300.0	108264
890-8013-5	BS - 2C - 2	Soluble	Solid	300.0	108264
MB 880-108264/1-A	Method Blank	Soluble	Solid	300.0	108264
LCS 880-108264/2-A	Lab Control Sample	Soluble	Solid	300.0	108264
LCSD 880-108264/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108264
890-8013-1 MS	SW - 2W - 1	Soluble	Solid	300.0	108264
890-8013-1 MSD	SW - 2W - 1	Soluble	Solid	300.0	108264

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: SW - 2W - 1**Lab Sample ID: 890-8013-1****Date Collected: 04/17/25 14:31****Matrix: Solid****Date Received: 04/18/25 08:08**

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	108183	04/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108179	04/21/25 13:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108312	04/21/25 13:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			108415	04/23/25 02:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 02:01	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	108264	04/22/25 08:00	SA	EET MID
Soluble	Analysis	300.0		1			108284	04/22/25 09:20	CH	EET MID

Client Sample ID: SW - 2S - 1**Lab Sample ID: 890-8013-2****Date Collected: 04/17/25 14:15****Matrix: Solid****Date Received: 04/18/25 08:08**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	108183	04/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108179	04/21/25 14:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108312	04/21/25 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			108415	04/23/25 02:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 02:22	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	108264	04/22/25 08:00	SA	EET MID
Soluble	Analysis	300.0		1			108284	04/22/25 09:43	CH	EET MID

Client Sample ID: BS - 2A - 2**Lab Sample ID: 890-8013-3****Date Collected: 04/17/25 14:18****Matrix: Solid****Date Received: 04/18/25 08:08**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	108183	04/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108179	04/21/25 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108312	04/21/25 14:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			108415	04/23/25 02:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 02:43	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	108264	04/22/25 08:00	SA	EET MID
Soluble	Analysis	300.0		1			108284	04/22/25 09:50	CH	EET MID

Client Sample ID: BS - 2B - 2**Lab Sample ID: 890-8013-4****Date Collected: 04/17/25 14:22****Matrix: Solid****Date Received: 04/18/25 08:08**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	108183	04/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108179	04/21/25 14:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108312	04/21/25 14:43	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Client Sample ID: BS - 2B - 2

Lab Sample ID: 890-8013-4

Date Collected: 04/17/25 14:22

Matrix: Solid

Date Received: 04/18/25 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			108415	04/23/25 03:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 03:03	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	108264	04/22/25 08:00	SA	EET MID
Soluble	Analysis	300.0		1			108284	04/22/25 09:58	CH	EET MID

Client Sample ID: BS - 2C - 2

Lab Sample ID: 890-8013-5

Date Collected: 04/17/25 14:27

Matrix: Solid

Date Received: 04/18/25 08:08

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	108183	04/21/25 09:09	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108179	04/21/25 15:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108312	04/21/25 15:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			108415	04/23/25 03:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108161	04/20/25 19:33	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108276	04/23/25 03:23	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	108264	04/22/25 08:00	SA	EET MID
Soluble	Analysis	300.0		1			108284	04/22/25 10:05	CH	EET MID

Client Sample ID: TB - 041725 - 1

Lab Sample ID: 890-8013-7

Date Collected: 04/17/25 00:00

Matrix: Water

Date Received: 04/18/25 08:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	108178	04/22/25 02:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108312	04/22/25 02:24	SM	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: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
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
5030B	Purge and Trap	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: YOUNGER JUNCTION

Job ID: 890-8013-1
SDG: 650142

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8013-1	SW - 2W - 1	Solid	04/17/25 14:31	04/18/25 08:08	1
890-8013-2	SW - 2S - 1	Solid	04/17/25 14:15	04/18/25 08:08	1
890-8013-3	BS - 2A - 2	Solid	04/17/25 14:18	04/18/25 08:08	2
890-8013-4	BS - 2B - 2	Solid	04/17/25 14:22	04/18/25 08:08	2
890-8013-5	BS - 2C - 2	Solid	04/17/25 14:27	04/18/25 08:08	2
890-8013-7	TB - 041725 - 1	Water	04/17/25 00:00	04/18/25 08:08	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



Environment Testing
Xenco

Chain of Custody

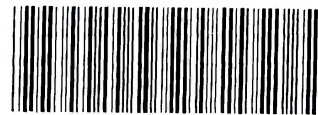
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page _____ of _____

Project Manager:	Bryan Gilbert	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	505 E. Huntland, Suite 250	Address:	
City, State ZIP:	Austin, TX 78752	City, State ZIP:	
Phone:	512-329-6080	Email:	bgilbert@trccompanies.com

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes																					
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code	NO	NO	NO												None: NO	DI Water: H ₂ O																					
Project Location:		Due Date:		Parameters	1208	801	510	H ₂ PO ₄	300	 890-8013 Chain of Custody																Cool: Cool	MeOH: Me														
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm																																						HCL: HC	HNO ₃ : HN
P.O. #:																																								H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:																																							H ₃ PO ₄ : HP
Samples Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																	NaHSO ₄ : NABIS																				
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor:																	Na ₂ S ₂ O ₃ : NaSO ₃																				
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading:																	Zn Acetate+NaOH: Zn																				
Total Containers:				Corrected Temperature:																	NaOH+Ascorbic Acid: SAPC																				
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments																	
SW-2W-1		S	4.17.25	1431	1	C	1	X	X	X																															
SW-2S-1		S	4.17.25	1415	1	C	1	X	X	X																															
BS-2A-2		S	4.17.25	1418	2	C	1	X	X	X																															
BS-2B-2		S	4.17.25	1422	2	C	1	X	X	X																															
BS-2C-2		S	4.17.25	1427	2	C	1	X	X	X																															
TB-041725-1		W	4.17.25	0000			3	X																																	

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas	11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U																										Hg: 1631 / 245.1 / 7470 / 7471					

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Niki Dp</i>	<i>alsh</i>	8:08 4/15	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-8013-1

SDG Number: 650142

Login Number: 8013**List Number: 1****Creator: Bruns, Shannon****List Source: Eurofins Carlsbad**

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-8013-1

SDG Number: 650142

Login Number: 8013**List Number: 2****Creator: Laing, Edmundo****List Source: Eurofins Midland****List Creation: 04/20/25 06:56 PM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Analytical Data Review Checklist

Site: Holly Younger Junction Location: Loco Hills, NM Client Name: HF SinclairMidstream Project #: 650142		Laboratory: Eurofins Environment Testing, Midland, TX Lab Report #: 890-8013-1 (Revision 1) Reviewer: Nancy Bergstrom Peer Reviewer: Elizabeth Denly Review Date: 6/10/2025	
Analytical Method(s): -Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) with Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, and Xylenes, Total by SW-846 Method 8021B -Total Petroleum Hydrocarbons (TPH) with Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO) by SW-846 Method 8015B NM -Chloride by EPA Method 300.0	Matrices Sampled: Soil and 1 aqueous QC sample	Sample Collection Date(s): 4/17/2025	
Sampling Objective(s): Release Response Investigation			
Sample IDs (List IDs or attach COC): SW-2W-1, SW-2S-1, BS-2A-2, BS-2B-2, BS-2C-2, TB-041725-1			

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
5	Are results reported for all samples submitted for analysis?	X			
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		X		The laboratory did not report the results of the soil samples on a dry weight basis. 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?		X		Results were reported by the laboratory to the reporting limit (RL).
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		All samples were received and analyzed by the laboratory from unpreserved bulk soil jars. New Mexico allows for collection of VOC soil samples in unpreserved bulk soil jars.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
Blanks^b					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).		X		Trip Blank sample TB-041725-1 was submitted with this data set for BTEX analysis.
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes^c					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.		X		The LCSD percent recovery (%R) for DRO (145%) in TPH batch 108161 was above the laboratory control limits (70-130%). The positive DRO and total TPH results in samples BS-2A-2, BS-2B-2, and BS-2C-2 may be considered estimated (J). The nondetect results for DRO and Total TPH in samples SW-2W-1 and SW-2S-1 did not require qualification.
24	Does each analytical or preparation batch have its own LCS?	X			ORO is not analyzed for the 8015B NM LCS/LCSD.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.		X		The LCS/LCSD RPD for DRO (30%) in TPH batch 108161 was above the laboratory control limit (20). The positive DRO and total TPH results in samples BS-2A-2, BS-2B-2, and BS-2C-2 may be considered estimated (J). The nondetect results for DRO and total TPH in samples SW-2W-1 and SW-2S-1 did not require qualification.
Matrix Spikes^c Note: If not performed on a project sample, evaluation is not required.					
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/MSD analyses were performed on the following sample from this data set: -SW-2W-1 for BTEX and chloride The MS %R for benzene (192%), the MS/MSD recoveries for m,p-xylenes (354%/240%), the MS/MSD recoveries for o-xylene (373%/252%), and the MS recovery for ethylbenzene (187%) were above the laboratory control limits (70-130%). The MSD %R for benzene (48%) was below the laboratory control limits (70-130%). The nondetect results for benzene and total BTEX in sample SW-2W-1 may be considered estimated (UJ). The nondetect results for ethylbenzene, m,p-xylenes, and o-xylene in sample SW-2W-1 did not require qualification.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.		X		The MS/MSD RPDs for benzene (120%), ethylbenzene (39%), m,p-xylenes (38%), and o-xylene (39%) were above the laboratory control limits (35% for each analyte). The nondetect results for benzene, ethylbenzene, m,p-xylenes, and o-xylene in sample SW-2W-1 did not require qualification.
Surrogates^c					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		<p>The surrogate percent recovery (%R) for 4-bromofluorobenzene (257%) was above the laboratory control limits (70-130%) in sample SW-2W-1. The nondetect results for all BTEX analytes and total BTEX in sample SW-2W-1 did not require qualification.</p> <p>The surrogate %Rs for 4-bromofluorobenzene (260%) and 1,4-difluorobenzene (131%) were above the laboratory control limits (70-130%) in sample BS-2A-2. The positive result for o-xylene in sample BS-2A-2 may be considered estimated (J+) with a potential high bias. The nondetect results for benzene, toluene, ethylbenzene, m,p-xylenes, xylenes, total, and total BTEX did not require qualification.</p> <p>The surrogate %R for 4-bromofluorobenzene (309%) was above the laboratory control limits (70-130%) in sample BS-2B-2. The positive results for ethylbenzene, m,p-xylenes, o-xylene, xylenes, total, and total BTEX in sample BS-2B-2 may be considered estimated (J+) with a potential high bias. The nondetect results for benzene and toluene did not require qualification.</p> <p>The surrogate %R for 4-bromofluorobenzene (66%) was below the laboratory control limits (70-130%) in sample BS-2C-2. The positive results for m,p-xylenes, o-xylene, xylenes, total, and total BTEX in sample BS-2C-2 may be considered estimated (J-) with a potential low bias. The nondetect results for benzene, toluene, and ethylbenzene in sample BS-2C-2 may be considered estimated (UJ).</p> <p>The surrogate %Rs for 1-chlorooctane (66%) and o-terphenyl (66%) were below the laboratory control limits (70-130%) in sample SW-2S-1. The nondetect results for GRO, DRO, ORO, and total TPH in sample SW-2S-1 may be considered estimated (UJ).</p> <p>The surrogate %Rs for 1-chlorooctane (68%) and o-terphenyl (66%) were below the laboratory control limits (70-130%) in sample BS-2A-2. The positive results for DRO, ORO, and total TPH in sample BS-2A-2 may be considered estimated (J-) with a potential low bias. The nondetect result for GRO in sample BS-2A-2 may be considered estimated (UJ).</p>
Duplicates^c Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not performed on a sample from this data set.



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
30	Were field duplicate criteria met? Refer to RPD and/or Tips tabs for typical criteria. If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.			X	Field duplicate samples were not submitted with this data set.
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.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?	X			
Additional Comments: The laboratory report was revised to provide the COC between the Carlsbad, NM and Midland, TX facilities and include the correct Login Sample Receipt Checklist from the Midland, TX facility.					

Notes:

After data tables are created, check that reporting limits are below the project action levels (e.g., screening criteria, remediation standards, etc.) and compare data with historical results, if applicable. List any findings from this evaluation, when applicable, in the Additional Comments box above.

- a Comments generally need to be addressed in the TRC deliverable presenting the laboratory data, but this will be dependent on project requirements.
- b Check if local or regional criteria for blank assessments are available; these will supersede criteria in this checklist.
- c Use QC limits in QAPP, if available. If not, use QC limits provided by laboratory in data package.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments^a (please add comment for each item with a checked shaded box)
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The EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020) or most recent version found here:

<https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>

are typically used for data review guidelines when other project or state/regulatory data review guidance is not available. Project and state/regulatory data review guidance should be used and cited when applicable.

Abbreviations:

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Chain-of-Custody
DRO	Diesel Range Organics
EDD	Electronic Data Deliverable
GRO	Gasoline Range Organics
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
ORO	Oil Range Organics
QAPP	Quality Assurance Project Plan
QC	Quality Control
RPD	Relative Percent Difference
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Bryan Gilbert
TRC Solutions, Inc.
10 Desta Drive
Suite #410E
Midland, Texas 79705

Generated 6/10/2025 8:56:24 AM Revision 1

JOB DESCRIPTION

Younger Junction
650142

JOB NUMBER

890-8038-1

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



Authorized for release by
Jessica Kramer, Project Manager
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(432)704-5440

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6/10/2025 8:56:24 AM
Revision 1

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Laboratory Job ID: 890-8038-1
SDG: 650142

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Qualifiers

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

Case Narrative

Client: TRC Solutions, Inc.
Project: Younger Junction

Job ID: 890-8038-1

Job ID: 890-8038-1

Eurofins Carlsbad

Job Narrative 890-8038-1

REVISION

The report being provided is a revision of the original report sent on 4/29/2025. The report (revision 1) is being revised due to Interoffice paperwork missing on final report..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/25/2025 4:35 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 8.4°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BS-3A (890-8038-1), SW-3E (890-8038-2), SW3N (890-8038-3) and BS-2D (890-8038-4).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-108898/2-A) and (LCSD 880-108898/3-A). 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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108902 and analytical batch 880-108916 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.

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.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Client Sample ID: BS-3A

Lab Sample ID: 890-8038-1

Date Collected: 04/25/25 13:50

Matrix: Solid

Date Received: 04/25/25 16:35

Sample Depth: 5FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:39	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:39	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:39	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		04/29/25 08:40	04/29/25 11:39	1
o-Xylene	0.00478		0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:39	1
Xylenes, Total	0.00478		0.00401	mg/Kg		04/29/25 08:40	04/29/25 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	04/29/25 08:40	04/29/25 11:39	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/29/25 08:40	04/29/25 11:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00478		0.00401	mg/Kg			04/29/25 11:39	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	73.9		50.0	mg/Kg			04/29/25 10:35	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		04/28/25 16:59	04/29/25 10:35	1
Diesel Range Organics (Over C10-C28)	73.9		50.0	mg/Kg		04/28/25 16:59	04/29/25 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/25 16:59	04/29/25 10:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	04/28/25 16:59	04/29/25 10:35	1
o-Terphenyl	99		70 - 130	04/28/25 16:59	04/29/25 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178		10.1	mg/Kg			04/29/25 10:27	1

Client Sample ID: SW-3E

Lab Sample ID: 890-8038-2

Date Collected: 04/25/25 13:55

Matrix: Solid

Date Received: 04/25/25 16:35

Sample Depth: 2.5FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/29/25 08:40	04/29/25 12:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/29/25 08:40	04/29/25 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/29/25 08:40	04/29/25 12:00	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Client Sample ID: SW-3E

Lab Sample ID: 890-8038-2

Date Collected: 04/25/25 13:55

Matrix: Solid

Date Received: 04/25/25 16:35

Sample Depth: 2.5FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	04/29/25 08:40	04/29/25 12:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/29/25 12:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	107		49.8	mg/Kg			04/29/25 10:50	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		04/28/25 16:59	04/29/25 10:50	1
Diesel Range Organics (Over C10-C28)	107		49.8	mg/Kg		04/28/25 16:59	04/29/25 10:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/28/25 16:59	04/29/25 10:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			04/28/25 16:59	04/29/25 10:50	1
o-Terphenyl	101		70 - 130			04/28/25 16:59	04/29/25 10:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		10.1	mg/Kg			04/29/25 10:33	1

Client Sample ID: SW3N

Lab Sample ID: 890-8038-3

Date Collected: 04/25/25 14:05

Matrix: Solid

Date Received: 04/25/25 16:35

Sample Depth: 2.5FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:20	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/29/25 08:40	04/29/25 12:20	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/29/25 08:40	04/29/25 12:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/29/25 08:40	04/29/25 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/29/25 08:40	04/29/25 12:20	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/29/25 08:40	04/29/25 12:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/29/25 12:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	719		50.0	mg/Kg			04/29/25 10:35	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Client Sample ID: SW3N

Lab Sample ID: 890-8038-3

Date Collected: 04/25/25 14:05

Matrix: Solid

Date Received: 04/25/25 16:35

Sample Depth: 2.5FT

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		04/28/25 17:06	04/29/25 10:35	1
Diesel Range Organics (Over C10-C28)	719		50.0	mg/Kg		04/28/25 17:06	04/29/25 10:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/25 17:06	04/29/25 10:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			04/28/25 17:06	04/29/25 10:35	1
o-Terphenyl	111		70 - 130			04/28/25 17:06	04/29/25 10:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	868		9.96	mg/Kg			04/29/25 10:40	1

Client Sample ID: BS-2D

Lab Sample ID: 890-8038-4

Date Collected: 04/25/25 14:15

Matrix: Solid

Date Received: 04/25/25 16:35

Sample Depth: 2FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/29/25 08:40	04/29/25 12:41	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/29/25 08:40	04/29/25 12:41	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/29/25 08:40	04/29/25 12:41	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		04/29/25 08:40	04/29/25 12:41	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/29/25 08:40	04/29/25 12:41	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/29/25 08:40	04/29/25 12:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			04/29/25 08:40	04/29/25 12:41	1
1,4-Difluorobenzene (Surr)	97		70 - 130			04/29/25 08:40	04/29/25 12:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			04/29/25 12:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	370		49.8	mg/Kg			04/29/25 10:50	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		04/28/25 17:06	04/29/25 10:50	1
Diesel Range Organics (Over C10-C28)	370		49.8	mg/Kg		04/28/25 17:06	04/29/25 10:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/28/25 17:06	04/29/25 10:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			04/28/25 17:06	04/29/25 10:50	1
o-Terphenyl	104		70 - 130			04/28/25 17:06	04/29/25 10:50	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Client Sample ID: BS-2D
Date Collected: 04/25/25 14:15
Date Received: 04/25/25 16:35
Sample Depth: 2FT

Lab Sample ID: 890-8038-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	295		9.90	mg/Kg			04/29/25 10:45	1	

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8038-1	BS-3A	113	102
890-8038-1 MS	BS-3A	112	100
890-8038-1 MSD	BS-3A	106	101
890-8038-2	SW-3E	112	97
890-8038-3	SW3N	103	93
890-8038-4	BS-2D	107	97
LCS 880-108915/1-A	Lab Control Sample	108	100
LCSD 880-108915/2-A	Lab Control Sample Dup	108	100
MB 880-108915/5-A	Method Blank	102	90
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7959-A-37-E MS	Matrix Spike	102	97
890-7959-A-37-F MSD	Matrix Spike Duplicate	102	96
890-7959-A-91-D MS	Matrix Spike	110	104
890-7959-A-91-E MSD	Matrix Spike Duplicate	110	104
890-8038-1	BS-3A	95	99
890-8038-2	SW-3E	97	101
890-8038-3	SW3N	92	111
890-8038-4	BS-2D	95	104
LCS 880-108896/2-A	Lab Control Sample	112	106
LCS 880-108898/2-A	Lab Control Sample	167 S1+	153 S1+
LCSD 880-108896/3-A	Lab Control Sample Dup	116	109
LCSD 880-108898/3-A	Lab Control Sample Dup	167 S1+	153 S1+
MB 880-108896/1-A	Method Blank	104	99
MB 880-108898/1-A	Method Blank	108	104
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108915/5-A

Matrix: Solid

Analysis Batch: 108906

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108915

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/29/25 08:40	04/29/25 11:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/29/25 08:40	04/29/25 11:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/29/25 08:40	04/29/25 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	04/29/25 08:40	04/29/25 11:18	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/29/25 08:40	04/29/25 11:18	1

Lab Sample ID: LCS 880-108915/1-A

Matrix: Solid

Analysis Batch: 108906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	0.100	0.09087		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09974		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2051		mg/Kg		103	70 - 130
o-Xylene	0.100	0.1043		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-108915/2-A

Matrix: Solid

Analysis Batch: 108906

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108915

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1027		mg/Kg		103	70 - 130	1	35
Toluene	0.100	0.09395		mg/Kg		94	70 - 130	3	35
Ethylbenzene	0.100	0.1044		mg/Kg		104	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2158		mg/Kg		108	70 - 130	5	35
o-Xylene	0.100	0.1095		mg/Kg		110	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-8038-1 MS

Matrix: Solid

Analysis Batch: 108906

Client Sample ID: BS-3A

Prep Type: Total/NA

Prep Batch: 108915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09449		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.08261		mg/Kg		83	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

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

Lab Sample ID: 890-8038-1 MS

Matrix: Solid

Analysis Batch: 108906

Client Sample ID: BS-3A

Prep Type: Total/NA

Prep Batch: 108915

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.08464		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1753		mg/Kg		86	70 - 130
o-Xylene	0.00478		0.100	0.09415		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-8038-1 MSD

Matrix: Solid

Analysis Batch: 108906

Client Sample ID: BS-3A

Prep Type: Total/NA

Prep Batch: 108915

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.09861		mg/Kg		99	70 - 130	4	35
Toluene	<0.00200	U	0.100	0.08531		mg/Kg		85	70 - 130	3	35
Ethylbenzene	<0.00200	U	0.100	0.08759		mg/Kg		88	70 - 130	3	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1803		mg/Kg		89	70 - 130	3	35
o-Xylene	0.00478		0.100	0.09445		mg/Kg		90	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-108896/1-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108896

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/28/25 16:45	04/29/25 02:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/28/25 16:45	04/29/25 02:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/25 16:45	04/29/25 02:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/28/25 16:45	04/29/25 02:28	1
o-Terphenyl	99		70 - 130	04/28/25 16:45	04/29/25 02:28	1

Lab Sample ID: LCS 880-108896/2-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1115		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1021		mg/Kg		102	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

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

Lab Sample ID: LCS 880-108896/2-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108896

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	112		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-108896/3-A

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108896

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1153		mg/Kg		115	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1020		mg/Kg		102	70 - 130	0	20
Surrogate		LCSD	LCSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	116		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 890-7959-A-37-E MS

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1057		mg/Kg		106	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	999	924.0		mg/Kg		92	70 - 130		
Surrogate		MS	MS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	97		70 - 130								

Lab Sample ID: 890-7959-A-37-F MSD

Matrix: Solid

Analysis Batch: 108919

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1077		mg/Kg		108	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	935.8		mg/Kg		94	70 - 130	1	20
Surrogate		MSD	MSD								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	102		70 - 130								
o-Terphenyl	96		70 - 130								

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

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

Lab Sample ID: MB 880-108898/1-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108898

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/28/25 16:46	04/29/25 02:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/28/25 16:46	04/29/25 02:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/28/25 16:46	04/29/25 02:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			04/28/25 16:46	04/29/25 02:28	1
o-Terphenyl	104		70 - 130			04/28/25 16:46	04/29/25 02:28	1

Lab Sample ID: LCS 880-108898/2-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1113		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	167	S1+	70 - 130				
o-Terphenyl	153	S1+	70 - 130				

Lab Sample ID: LCSD 880-108898/3-A

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1103		mg/Kg		110	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1031		mg/Kg		103	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	167	S1+	70 - 130						
o-Terphenyl	153	S1+	70 - 130						

Lab Sample ID: 890-7959-A-91-D MS

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1065		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1091		mg/Kg		107	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

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

Lab Sample ID: 890-7959-A-91-D MS

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108898

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-7959-A-91-E MSD

Matrix: Solid

Analysis Batch: 108921

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	1046		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	1087		mg/Kg		107	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	104		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108902/1-A

Matrix: Solid

Analysis Batch: 108916

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			04/29/25 09:16	1

Lab Sample ID: LCS 880-108902/2-A

Matrix: Solid

Analysis Batch: 108916

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-108902/3-A

Matrix: Solid

Analysis Batch: 108916

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.3		mg/Kg		100	90 - 110	4	20

Lab Sample ID: 880-57431-A-1-C MS

Matrix: Solid

Analysis Batch: 108916

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	837	F1	251	1001	F1	mg/Kg		66	90 - 110

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-57431-A-1-D MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 108916												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	837	F1	251	972.2	F1	mg/Kg	-	54	90 - 110	3	20	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

GC VOA

Analysis Batch: 108906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Total/NA	Solid	8021B	108915
890-8038-2	SW-3E	Total/NA	Solid	8021B	108915
890-8038-3	SW3N	Total/NA	Solid	8021B	108915
890-8038-4	BS-2D	Total/NA	Solid	8021B	108915
MB 880-108915/5-A	Method Blank	Total/NA	Solid	8021B	108915
LCS 880-108915/1-A	Lab Control Sample	Total/NA	Solid	8021B	108915
LCSD 880-108915/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	108915
890-8038-1 MS	BS-3A	Total/NA	Solid	8021B	108915
890-8038-1 MSD	BS-3A	Total/NA	Solid	8021B	108915

Prep Batch: 108915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Total/NA	Solid	5035	
890-8038-2	SW-3E	Total/NA	Solid	5035	
890-8038-3	SW3N	Total/NA	Solid	5035	
890-8038-4	BS-2D	Total/NA	Solid	5035	
MB 880-108915/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-108915/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-108915/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8038-1 MS	BS-3A	Total/NA	Solid	5035	
890-8038-1 MSD	BS-3A	Total/NA	Solid	5035	

Analysis Batch: 108982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Total/NA	Solid	Total BTEX	
890-8038-2	SW-3E	Total/NA	Solid	Total BTEX	
890-8038-3	SW3N	Total/NA	Solid	Total BTEX	
890-8038-4	BS-2D	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 108896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Total/NA	Solid	8015NM Prep	
890-8038-2	SW-3E	Total/NA	Solid	8015NM Prep	
MB 880-108896/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108896/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7959-A-37-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7959-A-37-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 108898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-3	SW3N	Total/NA	Solid	8015NM Prep	
890-8038-4	BS-2D	Total/NA	Solid	8015NM Prep	
MB 880-108898/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-108898/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-108898/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7959-A-91-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-7959-A-91-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

GC Semi VOA

Analysis Batch: 108919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Total/NA	Solid	8015B NM	108896
890-8038-2	SW-3E	Total/NA	Solid	8015B NM	108896
MB 880-108896/1-A	Method Blank	Total/NA	Solid	8015B NM	108896
LCS 880-108896/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108896
LCSD 880-108896/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108896
890-7959-A-37-E MS	Matrix Spike	Total/NA	Solid	8015B NM	108896
890-7959-A-37-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108896

Analysis Batch: 108921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-3	SW3N	Total/NA	Solid	8015B NM	108898
890-8038-4	BS-2D	Total/NA	Solid	8015B NM	108898
MB 880-108898/1-A	Method Blank	Total/NA	Solid	8015B NM	108898
LCS 880-108898/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	108898
LCSD 880-108898/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	108898
890-7959-A-91-D MS	Matrix Spike	Total/NA	Solid	8015B NM	108898
890-7959-A-91-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	108898

Analysis Batch: 108978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Total/NA	Solid	8015 NM	
890-8038-2	SW-3E	Total/NA	Solid	8015 NM	
890-8038-3	SW3N	Total/NA	Solid	8015 NM	
890-8038-4	BS-2D	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 108902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Soluble	Solid	DI Leach	
890-8038-2	SW-3E	Soluble	Solid	DI Leach	
890-8038-3	SW3N	Soluble	Solid	DI Leach	
890-8038-4	BS-2D	Soluble	Solid	DI Leach	
MB 880-108902/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-108902/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-108902/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57431-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-57431-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 108916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8038-1	BS-3A	Soluble	Solid	300.0	108902
890-8038-2	SW-3E	Soluble	Solid	300.0	108902
890-8038-3	SW3N	Soluble	Solid	300.0	108902
890-8038-4	BS-2D	Soluble	Solid	300.0	108902
MB 880-108902/1-A	Method Blank	Soluble	Solid	300.0	108902
LCS 880-108902/2-A	Lab Control Sample	Soluble	Solid	300.0	108902
LCSD 880-108902/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	108902
880-57431-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	108902
880-57431-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	108902

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Client Sample ID: BS-3A
Date Collected: 04/25/25 13:50
Date Received: 04/25/25 16:35

Lab Sample ID: 890-8038-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	108915	04/29/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108906	04/29/25 11:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108982	04/29/25 11:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			108978	04/29/25 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	108896	04/28/25 16:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108919	04/29/25 10:35	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	108902	04/28/25 18:07	SMC	EET MID
Soluble	Analysis	300.0		1			108916	04/29/25 10:27	CH	EET MID

Client Sample ID: SW-3E
Date Collected: 04/25/25 13:55
Date Received: 04/25/25 16:35

Lab Sample ID: 890-8038-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	108915	04/29/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108906	04/29/25 12:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108982	04/29/25 12:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			108978	04/29/25 10:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108896	04/28/25 16:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108919	04/29/25 10:50	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	108902	04/28/25 18:07	SMC	EET MID
Soluble	Analysis	300.0		1			108916	04/29/25 10:33	CH	EET MID

Client Sample ID: SW3N
Date Collected: 04/25/25 14:05
Date Received: 04/25/25 16:35

Lab Sample ID: 890-8038-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	108915	04/29/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108906	04/29/25 12:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108982	04/29/25 12:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			108978	04/29/25 10:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	108898	04/28/25 17:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108921	04/29/25 10:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	108902	04/28/25 18:07	SMC	EET MID
Soluble	Analysis	300.0		1			108916	04/29/25 10:40	CH	EET MID

Client Sample ID: BS-2D
Date Collected: 04/25/25 14:15
Date Received: 04/25/25 16:35

Lab Sample ID: 890-8038-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	108915	04/29/25 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	108906	04/29/25 12:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			108982	04/29/25 12:41	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Client Sample ID: BS-2D
Date Collected: 04/25/25 14:15
Date Received: 04/25/25 16:35

Lab Sample ID: 890-8038-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			108978	04/29/25 10:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	108898	04/28/25 17:06	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	108921	04/29/25 10:50	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	108902	04/28/25 18:07	SMC	EET MID
Soluble	Analysis	300.0		1			108916	04/29/25 10:45	CH	EET MID

Laboratory References:
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.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
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 MID
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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8038-1
SDG: 650142

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8038-1	BS-3A	Solid	04/25/25 13:50	04/25/25 16:35	5FT
890-8038-2	SW-3E	Solid	04/25/25 13:55	04/25/25 16:35	2.5FT
890-8038-3	SW3N	Solid	04/25/25 14:05	04/25/25 16:35	2.5FT
890-8038-4	BS-2D	Solid	04/25/25 14:15	04/25/25 16:35	2FT

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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
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:



890-8038 Chain of Custody

Program:

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Manager:	bryan Gilbert	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	505 E Huntland Suite 250	Address:	
City, State ZIP:	Austin TX 78752	City, State ZIP:	
Phone:	512.324.6080	Email:	bgilbert@trc.companies.com staff@trc.com

Project Name:		Turn Around		ANALYSIS REQUEST																Preservative Codes													
Project Number:		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code																		None: NO DI Water: H ₂ O											
Project Location:		Due Date:		TAT starts the day received by the lab, if received by 4:30pm																		Cool: Cool MeOH: Me											
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN											
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na											
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters																		H ₃ PO ₄ : HP					
Samples Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		T111007																						NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.2																						Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		8.6																						Zn Acetate+NaOH: Zn					
Total Containers:				Corrected Temperature:		8.4																						NaOH+Ascorbic Acid: SAPC					
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont																		Sample Comments			
SW-2A BS-3A		S		4/25/25		1350		5H		C		1		X																			
SW-3E		S		4/25/25		1355		2.5H		C		1		X																			
SW-3N		S		4/25/25		1405		2.5H		C		1		X																			
BS-2D		S		4/25/25		1415		2H		C		1		X																			

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		4/25/25 1635			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad

1089 N Canal St.

Carlsbad, NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Kramer, Jessica		Carrier Tracking No(s): N/A		COC No: 890-4980.1						
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Jessica.Kramer@et.eurofinsus.com		State of Origin: Texas		Page: Page 1 of 1						
Company: Eurofins Environment Testing South Centr				Accreditations Required (See note): NELAP - Texas				Job #: 890-8038-1						
Address: 1211 W. Florida Ave,		Due Date Requested: 4/29/2025		Analysis Requested						Preservation Codes: -				
City: Midland		TAT Requested (days): N/A												
State, Zip: TX, 79701														
Phone: 432-704-5440(Tel)		PO #: N/A												
Email: N/A		WO #: N/A												
Project Name: younger junction		Project #: 89000188												
Site: N/A		SSOW#: N/A								Other: N/A				
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Form MS100 (Yes/No)	8021B/5038FP_Calc BTEX	8015MOD_NM/8015NM_S_Prep TPH 8015 NM	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
BS-3A (890-8038-1)		4/25/25	13:50 Central	G	Solid			X	X	X	X	X	1	
SW-3E (890-8038-2)		4/25/25	13:55 Central	G	Solid			X	X	X	X	X	1	
SW3N (890-8038-3)		4/25/25	14:05 Central	G	Solid			X	X	X	X	X	1	
BS-2D (890-8038-4)		4/25/25	14:15 Central	G	Solid			X	X	X	X	X	1	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.														
Possible Hazard Identification														
Unconfirmed														
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2														
Special Instructions/QC Requirements:														
Empty Kit Relinquished by: Date: Time: Method of Shipment:														
Relinquished by: Date/Time: Company Received by: Date/Time: Company														
Relinquished by: Date/Time: Company Received by: Date/Time: Company														
Relinquished by: Date/Time: Company Received by: Date/Time: Company														
Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks: 07/04														
Δ Yes Δ No														

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-8038-1

SDG Number: 650142

Login Number: 8038**List Number: 1****Creator: Lopez, Abraham****List Source: Eurofins Carlsbad**

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-8038-1

SDG Number: 650142

Login Number: 8038**List Number: 2****Creator: Laing, Edmundo****List Source: Eurofins Midland****List Creation: 04/29/25 08:12 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Analytical Data Review Checklist

Site: Holly Younger Junction Location: Loco Hills, NM Client Name: HF SinclairMidstream Project #: 650142		Laboratory: Eurofins Environment Testing, Midland, TX Lab Report #: 890-8038-1 (Revision 1) Reviewer: Nancy Bergstrom Peer Reviewer: Elizabeth Denly Review Date: 6/10/2025	
Analytical Method(s): -Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) with Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, and Xylenes, Total by SW-846 Method 8021B -Total Petroleum Hydrocarbons (TPH) with Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO) by SW-846 Method 8015B NM -Chloride by EPA Method 300.0	Matrices Sampled: Soil	Sample Collection Date(s): 4/25/2025	
Sampling Objective(s): Release Response Investigation			
Sample IDs (List IDs or attach COC): BS-3A, SW-3E, SW-3N, BS-2D			

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?	X			
2	Did the laboratory report correct sample IDs?		X		The laboratory logged in the sample ID for SW-3N as SW3N.
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
5	Are results reported for all samples submitted for analysis?	X			
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		X		The laboratory did not report the results of the soil samples on a dry weight basis. 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?		X		Results were reported by the laboratory to the reporting limit (RL).
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?		X		The samples arrived at the laboratory at a temperature of 8.4 °C. No qualification was required since the samples were on ice and received by the laboratory the same day as collection.
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		All samples were received and analyzed by the laboratory from unpreserved bulk soil jars. New Mexico allows for collection of VOC soil samples in unpreserved bulk soil jars.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
Blanks^b					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).			X	Field blank samples were not submitted with this data set.
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes^c					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			ORO is not analyzed for the 8015B NM LCS/LCSD.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			
Matrix Spikes^c Note: If not performed on a project sample, evaluation is not required.					
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/MSD analyses were performed on the following sample from this data set: -BS-3A for BTEX
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	X			
Surrogates^c					
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
Duplicates^c Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not performed on a sample from this data set.
30	Were field duplicate criteria met? Refer to RPD and/or Tips tabs for typical criteria. If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.			X	Field duplicate samples were not submitted with this data set.
Do the Data Make Sense?					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?	X			
Additional Comments: The laboratory report was revised to provide the COC between the Carlsbad, NM and Midland, TX facilities.					

Notes:

After data tables are created, check that reporting limits are below the project action levels (e.g., screening criteria, remediation standards, etc.) and compare data with historical results, if applicable. List any findings from this evaluation, when applicable, in the Additional Comments box above.

- a Comments generally need to be addressed in the TRC deliverable presenting the laboratory data, but this will be dependent on project requirements.
- b Check if local or regional criteria for blank assessments are available; these will supersede criteria in this checklist.
- c Use QC limits in QAPP, if available. If not, use QC limits provided by laboratory in data package.

The EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020) or most recent version found here:

<https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>

are typically used for data review guidelines when other project or state/regulatory data review guidance is not available. Project and state/regulatory data review guidance should be used and cited when applicable.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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Abbreviations:

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Chain-of-Custody
DRO	Diesel Range Organics
EDD	Electronic Data Deliverable
GRO	Gasoline Range Organics
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
ORO	Oil Range Organics
QAPP	Quality Assurance Project Plan
QC	Quality Control
RPD	Relative Percent Difference
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound



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ANALYTICAL REPORT

PREPARED FOR

Attn: Bryan Gilbert
TRC Solutions, Inc.
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Midland, Texas 79705
Generated 5/1/2025 2:44:25 PM

JOB DESCRIPTION

Younger Junction
Loco Hills NM

JOB NUMBER

880-57498-1

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



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Authorized for release by
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Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Laboratory Job ID: 880-57498-1
SDG: Loco Hills NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	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.
F1	MS and/or MSD recovery 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.

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

Case Narrative

Client: TRC Solutions, Inc.
Project: Younger Junction

Job ID: 880-57498-1

Job ID: 880-57498-1

Eurofins Midland

Job Narrative
880-57498-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/29/2025 4:35 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 4.3°C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: BS-1A-3 (880-57498-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-109088 and analytical batch 880-109031 was outside the upper control limits.

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

Diesel Range Organics

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-109023/2-A) and (LCSD 880-109023/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-109023 and analytical batch 880-109019 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.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-109036 and analytical batch 880-109022 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 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: DUP-1 SW-2E-1 (880-57498-7), (890-8045-A-8-C), (890-8045-A-8-D MS) and (890-8045-A-8-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-109036/2-A) and (LCSD 880-109036/3-A). Percent recoveries are based on the amount spiked.

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.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: BS-1A-3

Lab Sample ID: 880-57498-1

Date Collected: 04/29/25 08:20

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 23:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 23:08	1
Ethylbenzene	0.00331		0.00200	mg/Kg		04/30/25 12:47	04/30/25 23:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/30/25 12:47	04/30/25 23:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 23:08	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/30/25 12:47	04/30/25 23:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			04/30/25 12:47	04/30/25 23:08	1
1,4-Difluorobenzene (Surr)	61	S1-	70 - 130			04/30/25 12:47	04/30/25 23:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/30/25 23:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	265		49.9	mg/Kg			04/30/25 14:39	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		04/30/25 08:10	04/30/25 14:39	1
Diesel Range Organics (Over C10-C28)	265		49.9	mg/Kg		04/30/25 08:10	04/30/25 14:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/30/25 08:10	04/30/25 14:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			04/30/25 08:10	04/30/25 14:39	1
o-Terphenyl	91		70 - 130			04/30/25 08:10	04/30/25 14:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	509		10.0	mg/Kg			05/01/25 10:08	1

Client Sample ID: BS-1B-3

Lab Sample ID: 880-57498-2

Date Collected: 04/29/25 08:35

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/30/25 12:47	04/30/25 23:29	1
Toluene	0.00272		0.00199	mg/Kg		04/30/25 12:47	04/30/25 23:29	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/30/25 12:47	04/30/25 23:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/30/25 12:47	04/30/25 23:29	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/30/25 12:47	04/30/25 23:29	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/30/25 12:47	04/30/25 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			04/30/25 12:47	04/30/25 23:29	1
1,4-Difluorobenzene (Surr)	79		70 - 130			04/30/25 12:47	04/30/25 23:29	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: BS-1B-3

Lab Sample ID: 880-57498-2

Date Collected: 04/29/25 08:35

Matrix: Solid

Date Received: 04/29/25 16:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/30/25 23:29	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	425		50.0	mg/Kg			04/30/25 15:00	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		04/30/25 08:10	04/30/25 15:00	1
Diesel Range Organics (Over C10-C28)	425		50.0	mg/Kg		04/30/25 08:10	04/30/25 15:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/30/25 08:10	04/30/25 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			04/30/25 08:10	04/30/25 15:00	1
o-Terphenyl	92		70 - 130			04/30/25 08:10	04/30/25 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		10.1	mg/Kg			05/01/25 10:28	1

Client Sample ID: SW-1W-1.5

Lab Sample ID: 880-57498-3

Date Collected: 04/29/25 08:55

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/30/25 12:47	04/30/25 23:49	1
Toluene	0.00271		0.00201	mg/Kg		04/30/25 12:47	04/30/25 23:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/30/25 12:47	04/30/25 23:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/30/25 12:47	04/30/25 23:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/30/25 12:47	04/30/25 23:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/30/25 12:47	04/30/25 23:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			04/30/25 12:47	04/30/25 23:49	1
1,4-Difluorobenzene (Surr)	73		70 - 130			04/30/25 12:47	04/30/25 23:49	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/30/25 23:49	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			04/30/25 15:20	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		04/30/25 08:10	04/30/25 15:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		04/30/25 08:10	04/30/25 15:20	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: SW-1W-1.5

Lab Sample ID: 880-57498-3

Date Collected: 04/29/25 08:55

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/30/25 08:10	04/30/25 15:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130			04/30/25 08:10	04/30/25 15:20	1
o-Terphenyl	83		70 - 130			04/30/25 08:10	04/30/25 15:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	251		10.0	mg/Kg			05/01/25 10:35	1

Client Sample ID: SW-1N-1.5

Lab Sample ID: 880-57498-4

Date Collected: 04/29/25 09:05

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/30/25 12:47	05/01/25 00:10	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/30/25 12:47	05/01/25 00:10	1
Ethylbenzene	0.00290		0.00202	mg/Kg		04/30/25 12:47	05/01/25 00:10	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		04/30/25 12:47	05/01/25 00:10	1
o-Xylene	0.00222		0.00202	mg/Kg		04/30/25 12:47	05/01/25 00:10	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/30/25 12:47	05/01/25 00:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			04/30/25 12:47	05/01/25 00:10	1
1,4-Difluorobenzene (Surr)	77		70 - 130			04/30/25 12:47	05/01/25 00:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00512		0.00404	mg/Kg			05/01/25 00:10	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			04/30/25 14:19	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	<50.1	U	50.1	mg/Kg		04/30/25 09:17	04/30/25 14:19	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		04/30/25 09:17	04/30/25 14:19	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		04/30/25 09:17	04/30/25 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			04/30/25 09:17	04/30/25 14:19	1
o-Terphenyl	119		70 - 130			04/30/25 09:17	04/30/25 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	243		9.98	mg/Kg			05/01/25 10:42	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: SW-1E-1.5

Lab Sample ID: 880-57498-5

Date Collected: 04/29/25 09:25

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/30/25 12:47	05/01/25 00:30	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/30/25 12:47	05/01/25 00:30	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/30/25 12:47	05/01/25 00:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/30/25 12:47	05/01/25 00:30	1
o-Xylene	0.00766		0.00199	mg/Kg		04/30/25 12:47	05/01/25 00:30	1
Xylenes, Total	0.00766		0.00398	mg/Kg		04/30/25 12:47	05/01/25 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/30/25 12:47	05/01/25 00:30	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/30/25 12:47	05/01/25 00:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00766		0.00398	mg/Kg			05/01/25 00:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/30/25 14:39	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		04/30/25 09:17	04/30/25 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/30/25 09:17	04/30/25 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/30/25 09:17	04/30/25 14:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			04/30/25 09:17	04/30/25 14:39	1
o-Terphenyl	107		70 - 130			04/30/25 09:17	04/30/25 14:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126		9.92	mg/Kg			05/01/25 10:48	1

Client Sample ID: SW-2E-1

Lab Sample ID: 880-57498-6

Date Collected: 04/29/25 09:40

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		04/30/25 12:47	05/01/25 00:50	1
Toluene	<0.00198	U	0.00198	mg/Kg		04/30/25 12:47	05/01/25 00:50	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		04/30/25 12:47	05/01/25 00:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		04/30/25 12:47	05/01/25 00:50	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/30/25 12:47	05/01/25 00:50	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/30/25 12:47	05/01/25 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/30/25 12:47	05/01/25 00:50	1
1,4-Difluorobenzene (Surr)	78		70 - 130	04/30/25 12:47	05/01/25 00:50	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: SW-2E-1

Lab Sample ID: 880-57498-6

Date Collected: 04/29/25 09:40

Matrix: Solid

Date Received: 04/29/25 16:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/01/25 00:50	1

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			04/30/25 15:00	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		04/30/25 09:17	04/30/25 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/30/25 09:17	04/30/25 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/30/25 09:17	04/30/25 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			04/30/25 09:17	04/30/25 15:00	1
o-Terphenyl	107		70 - 130			04/30/25 09:17	04/30/25 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99.9		9.94	mg/Kg			05/01/25 11:09	1

Client Sample ID: DUP-1 SW-2E-1

Lab Sample ID: 880-57498-7

Date Collected: 04/29/25 09:40

Matrix: Solid

Date Received: 04/29/25 16:35

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/30/25 12:47	05/01/25 01:11	1
Toluene	0.00275		0.00202	mg/Kg		04/30/25 12:47	05/01/25 01:11	1
Ethylbenzene	0.00218		0.00202	mg/Kg		04/30/25 12:47	05/01/25 01:11	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		04/30/25 12:47	05/01/25 01:11	1
o-Xylene	0.00236		0.00202	mg/Kg		04/30/25 12:47	05/01/25 01:11	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/30/25 12:47	05/01/25 01:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			04/30/25 12:47	05/01/25 01:11	1
1,4-Difluorobenzene (Surr)	73		70 - 130			04/30/25 12:47	05/01/25 01:11	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00729		0.00404	mg/Kg			05/01/25 01:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	mg/Kg			04/30/25 15:20	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	<50.1	U	50.1	mg/Kg		04/30/25 09:17	04/30/25 15:20	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	mg/Kg		04/30/25 09:17	04/30/25 15:20	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: DUP-1 SW-2E-1
Date Collected: 04/29/25 09:40
Date Received: 04/29/25 16:35

Lab Sample ID: 880-57498-7
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	mg/Kg		04/30/25 09:17	04/30/25 15:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	148	S1+	70 - 130			04/30/25 09:17	04/30/25 15:20	1	
o-Terphenyl	135	S1+	70 - 130			04/30/25 09:17	04/30/25 15:20	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	98.5		9.94	mg/Kg			05/01/25 11:15	1	

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-57498-1	BS-1A-3	128	61 S1-
880-57498-1 MS	BS-1A-3	108	97
880-57498-1 MSD	BS-1A-3	108	91
880-57498-2	BS-1B-3	95	79
880-57498-3	SW-1W-1.5	97	73
880-57498-4	SW-1N-1.5	105	77
880-57498-5	SW-1E-1.5	95	79
880-57498-6	SW-2E-1	108	78
880-57498-7	DUP-1 SW-2E-1	115	73
LCS 880-109088/1-A	Lab Control Sample	92	96
LCSD 880-109088/2-A	Lab Control Sample Dup	99	97
MB 880-109038/5-A	Method Blank	97	74
MB 880-109088/5-A	Method Blank	103	70
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-57498-1	BS-1A-3	99	91
880-57498-2	BS-1B-3	100	92
880-57498-3	SW-1W-1.5	89	83
880-57498-4	SW-1N-1.5	121	119
880-57498-5	SW-1E-1.5	109	107
880-57498-6	SW-2E-1	113	107
880-57498-7	DUP-1 SW-2E-1	148 S1+	135 S1+
890-8045-A-1-C MS	Matrix Spike	93	82
890-8045-A-1-H MSD	Matrix Spike Duplicate	91	79
890-8045-A-8-D MS	Matrix Spike	131 S1+	124
890-8045-A-8-E MSD	Matrix Spike Duplicate	132 S1+	123
LCS 880-109023/2-A	Lab Control Sample	350 S1+	335 S1+
LCS 880-109036/2-A	Lab Control Sample	20 S1-	14 S1-
LCSD 880-109023/3-A	Lab Control Sample Dup	436 S1+	417 S1+
LCSD 880-109036/3-A	Lab Control Sample Dup	19 S1-	13 S1-
MB 880-109023/1-A	Method Blank	121	114
MB 880-109036/1-A	Method Blank	112	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-109038/5-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109038

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/30/25 08:59	04/30/25 11:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/30/25 08:59	04/30/25 11:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/30/25 08:59	04/30/25 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/30/25 08:59	04/30/25 11:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/30/25 08:59	04/30/25 11:48	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/30/25 08:59	04/30/25 11:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/30/25 08:59	04/30/25 11:48	1
1,4-Difluorobenzene (Surr)	74		70 - 130	04/30/25 08:59	04/30/25 11:48	1

Lab Sample ID: MB 880-109088/5-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109088

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 22:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 22:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 22:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/30/25 12:47	04/30/25 22:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/30/25 12:47	04/30/25 22:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/30/25 12:47	04/30/25 22:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/30/25 12:47	04/30/25 22:46	1
1,4-Difluorobenzene (Surr)	70		70 - 130	04/30/25 12:47	04/30/25 22:46	1

Lab Sample ID: LCS 880-109088/1-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09795		mg/Kg		98	70 - 130
Toluene	0.100	0.09233		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09663		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1832		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09293		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-109088/2-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09624		mg/Kg		96	70 - 130	2	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

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

Lab Sample ID: LCSD 880-109088/2-A

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.09276		mg/Kg		93	70 - 130	0	35
Ethylbenzene	0.100	0.09877		mg/Kg		99	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1892		mg/Kg		95	70 - 130	3	35
o-Xylene	0.100	0.09572		mg/Kg		96	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-57498-1 MS

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: BS-1A-3

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08409		mg/Kg		84	70 - 130
Toluene	<0.00200	U	0.100	0.08530		mg/Kg		85	70 - 130
Ethylbenzene	0.00331		0.100	0.08756		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1762		mg/Kg		88	70 - 130
o-Xylene	<0.00200	U	0.100	0.08586		mg/Kg		84	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-57498-1 MSD

Matrix: Solid

Analysis Batch: 109031

Client Sample ID: BS-1A-3

Prep Type: Total/NA

Prep Batch: 109088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07125		mg/Kg		71	70 - 130	17	35
Toluene	<0.00200	U	0.100	0.07987		mg/Kg		80	70 - 130	7	35
Ethylbenzene	0.00331		0.100	0.08980		mg/Kg		86	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1799		mg/Kg		90	70 - 130	2	35
o-Xylene	<0.00200	U	0.100	0.08349		mg/Kg		82	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-109023/1-A

Matrix: Solid

Analysis Batch: 109019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109023

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/30/25 08:10	04/30/25 09:00	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

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

Lab Sample ID: MB 880-109023/1-A

Matrix: Solid

Analysis Batch: 109019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109023

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/30/25 08:10	04/30/25 09:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/30/25 08:10	04/30/25 09:00	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	121		70 - 130			04/30/25 08:10	04/30/25 09:00	1
o-Terphenyl	114		70 - 130			04/30/25 08:10	04/30/25 09:00	1

Lab Sample ID: LCS 880-109023/2-A

Matrix: Solid

Analysis Batch: 109019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109023

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	814.0		mg/Kg		81		70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1156		mg/Kg		116		70 - 130	
Surrogate	LCS		LCS	Limits							
	%Recovery	Qualifier									
1-Chlorooctane	350	S1+	70 - 130								
o-Terphenyl	335	S1+	70 - 130								

Lab Sample ID: LCSD 880-109023/3-A

Matrix: Solid

Analysis Batch: 109019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109023

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	668.9	*-	mg/Kg		67	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	1045		mg/Kg		105	70 - 130	10	20
Surrogate	LCSD		Limits								
	%Recovery	Qualifier									
1-Chlorooctane	436	S1+	70 - 130								
o-Terphenyl	417	S1+	70 - 130								

Lab Sample ID: 890-8045-A-1-C MS

Matrix: Solid

Analysis Batch: 109019

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109023

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits		
	Result	Qualifier	Added	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	995	811.8		mg/Kg		79		70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	774.4		mg/Kg		76		70 - 130		
		MS MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	93		70 - 130									
o-Terphenyl	82		70 - 130									

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

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

Lab Sample ID: 890-8045-A-1-H MSD

Matrix: Solid

Analysis Batch: 109019

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	995	760.9		mg/Kg		74	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	752.5		mg/Kg		73	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: MB 880-109036/1-A

Matrix: Solid

Analysis Batch: 109022

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 109036

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/30/25 08:45	04/30/25 09:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/30/25 08:45	04/30/25 09:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/30/25 08:45	04/30/25 09:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			04/30/25 08:45	04/30/25 09:00	1
o-Terphenyl	110		70 - 130			04/30/25 08:45	04/30/25 09:00	1

Lab Sample ID: LCS 880-109036/2-A

Matrix: Solid

Analysis Batch: 109022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 109036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	987.0		mg/Kg		99	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1123		mg/Kg		112	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
1-Chlorooctane	20	S1-	70 - 130					
o-Terphenyl	14	S1-	70 - 130					

Lab Sample ID: LCSD 880-109036/3-A

Matrix: Solid

Analysis Batch: 109022

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109036

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1057		mg/Kg		106	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1086		mg/Kg		109	70 - 130	3	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

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

Lab Sample ID: LCSD 880-109036/3-A

Matrix: Solid

Analysis Batch: 109022

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 109036

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	19	S1-	70 - 130
o-Terphenyl	13	S1-	70 - 130

Lab Sample ID: 890-8045-A-8-D MS

Matrix: Solid

Analysis Batch: 109022

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 109036

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	633.6	F1	mg/Kg		60	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	502.9	F1	mg/Kg		50	70 - 130	
Surrogate	%Recovery	Qualifier	Limits	MS	MS					
1-Chlorooctane	131	S1+	70 - 130							
o-Terphenyl	124		70 - 130							

Lab Sample ID: 890-8045-A-8-E MSD

Matrix: Solid

Analysis Batch: 109022

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 109036

	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	<49.9	U F1	1000	616.6	F1	mg/Kg		58	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	503.3	F1	mg/Kg		50	70 - 130	0	20	
Surrogate	%Recovery	Qualifier	Limits	MSD	MSD							
1-Chlorooctane	132	S1+	70 - 130									
o-Terphenyl	123		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-109123/1-A

Matrix: Solid

Analysis Batch: 109145

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac	
Chloride	<10.0	U	10.0	mg/Kg			05/01/25 09:48		1	

Lab Sample ID: LCS 880-109123/2-A

Matrix: Solid

Analysis Batch: 109145

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	253.8		mg/Kg		102	90 - 110			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-109123/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 109145											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	228.8		mg/Kg		92	90 - 110	10	20

Lab Sample ID: 880-57498-1 MS				Client Sample ID: BS-1A-3							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 109145											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	509		251	753.6		mg/Kg		98	90 - 110		

Lab Sample ID: 880-57498-1 MSD				Client Sample ID: BS-1A-3							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 109145											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	509		251	748.4		mg/Kg		96	90 - 110	1	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

GC VOA

Analysis Batch: 109031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Total/NA	Solid	8021B	109088
880-57498-2	BS-1B-3	Total/NA	Solid	8021B	109088
880-57498-3	SW-1W-1.5	Total/NA	Solid	8021B	109088
880-57498-4	SW-1N-1.5	Total/NA	Solid	8021B	109088
880-57498-5	SW-1E-1.5	Total/NA	Solid	8021B	109088
880-57498-6	SW-2E-1	Total/NA	Solid	8021B	109088
880-57498-7	DUP-1 SW-2E-1	Total/NA	Solid	8021B	109088
MB 880-109038/5-A	Method Blank	Total/NA	Solid	8021B	109038
MB 880-109088/5-A	Method Blank	Total/NA	Solid	8021B	109088
LCS 880-109088/1-A	Lab Control Sample	Total/NA	Solid	8021B	109088
LCSD 880-109088/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	109088
880-57498-1 MS	BS-1A-3	Total/NA	Solid	8021B	109088
880-57498-1 MSD	BS-1A-3	Total/NA	Solid	8021B	109088

Prep Batch: 109038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-109038/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 109088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Total/NA	Solid	5035	
880-57498-2	BS-1B-3	Total/NA	Solid	5035	
880-57498-3	SW-1W-1.5	Total/NA	Solid	5035	
880-57498-4	SW-1N-1.5	Total/NA	Solid	5035	
880-57498-5	SW-1E-1.5	Total/NA	Solid	5035	
880-57498-6	SW-2E-1	Total/NA	Solid	5035	
880-57498-7	DUP-1 SW-2E-1	Total/NA	Solid	5035	
MB 880-109088/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-109088/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-109088/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-57498-1 MS	BS-1A-3	Total/NA	Solid	5035	
880-57498-1 MSD	BS-1A-3	Total/NA	Solid	5035	

Analysis Batch: 109225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Total/NA	Solid	Total BTEX	
880-57498-2	BS-1B-3	Total/NA	Solid	Total BTEX	
880-57498-3	SW-1W-1.5	Total/NA	Solid	Total BTEX	
880-57498-4	SW-1N-1.5	Total/NA	Solid	Total BTEX	
880-57498-5	SW-1E-1.5	Total/NA	Solid	Total BTEX	
880-57498-6	SW-2E-1	Total/NA	Solid	Total BTEX	
880-57498-7	DUP-1 SW-2E-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 109019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Total/NA	Solid	8015B NM	109023
880-57498-2	BS-1B-3	Total/NA	Solid	8015B NM	109023
880-57498-3	SW-1W-1.5	Total/NA	Solid	8015B NM	109023
MB 880-109023/1-A	Method Blank	Total/NA	Solid	8015B NM	109023

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

GC Semi VOA (Continued)

Analysis Batch: 109019 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-109023/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109023
LCSD 880-109023/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109023
890-8045-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	109023
890-8045-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109023

Analysis Batch: 109022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-4	SW-1N-1.5	Total/NA	Solid	8015B NM	109036
880-57498-5	SW-1E-1.5	Total/NA	Solid	8015B NM	109036
880-57498-6	SW-2E-1	Total/NA	Solid	8015B NM	109036
880-57498-7	DUP-1 SW-2E-1	Total/NA	Solid	8015B NM	109036
MB 880-109036/1-A	Method Blank	Total/NA	Solid	8015B NM	109036
LCS 880-109036/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	109036
LCSD 880-109036/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	109036
890-8045-A-8-D MS	Matrix Spike	Total/NA	Solid	8015B NM	109036
890-8045-A-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	109036

Prep Batch: 109023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Total/NA	Solid	8015NM Prep	
880-57498-2	BS-1B-3	Total/NA	Solid	8015NM Prep	
880-57498-3	SW-1W-1.5	Total/NA	Solid	8015NM Prep	
MB 880-109023/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109023/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109023/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8045-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8045-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 109036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-4	SW-1N-1.5	Total/NA	Solid	8015NM Prep	
880-57498-5	SW-1E-1.5	Total/NA	Solid	8015NM Prep	
880-57498-6	SW-2E-1	Total/NA	Solid	8015NM Prep	
880-57498-7	DUP-1 SW-2E-1	Total/NA	Solid	8015NM Prep	
MB 880-109036/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-109036/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-109036/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8045-A-8-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8045-A-8-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 109119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Total/NA	Solid	8015 NM	
880-57498-2	BS-1B-3	Total/NA	Solid	8015 NM	
880-57498-3	SW-1W-1.5	Total/NA	Solid	8015 NM	
880-57498-4	SW-1N-1.5	Total/NA	Solid	8015 NM	
880-57498-5	SW-1E-1.5	Total/NA	Solid	8015 NM	
880-57498-6	SW-2E-1	Total/NA	Solid	8015 NM	
880-57498-7	DUP-1 SW-2E-1	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

HPLC/IC

Leach Batch: 109123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Soluble	Solid	DI Leach	
880-57498-2	BS-1B-3	Soluble	Solid	DI Leach	
880-57498-3	SW-1W-1.5	Soluble	Solid	DI Leach	
880-57498-4	SW-1N-1.5	Soluble	Solid	DI Leach	
880-57498-5	SW-1E-1.5	Soluble	Solid	DI Leach	
880-57498-6	SW-2E-1	Soluble	Solid	DI Leach	
880-57498-7	DUP-1 SW-2E-1	Soluble	Solid	DI Leach	
MB 880-109123/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-109123/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-109123/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-57498-1 MS	BS-1A-3	Soluble	Solid	DI Leach	
880-57498-1 MSD	BS-1A-3	Soluble	Solid	DI Leach	

Analysis Batch: 109145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-57498-1	BS-1A-3	Soluble	Solid	300.0	109123
880-57498-2	BS-1B-3	Soluble	Solid	300.0	109123
880-57498-3	SW-1W-1.5	Soluble	Solid	300.0	109123
880-57498-4	SW-1N-1.5	Soluble	Solid	300.0	109123
880-57498-5	SW-1E-1.5	Soluble	Solid	300.0	109123
880-57498-6	SW-2E-1	Soluble	Solid	300.0	109123
880-57498-7	DUP-1 SW-2E-1	Soluble	Solid	300.0	109123
MB 880-109123/1-A	Method Blank	Soluble	Solid	300.0	109123
LCS 880-109123/2-A	Lab Control Sample	Soluble	Solid	300.0	109123
LCSD 880-109123/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	109123
880-57498-1 MS	BS-1A-3	Soluble	Solid	300.0	109123
880-57498-1 MSD	BS-1A-3	Soluble	Solid	300.0	109123

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: BS-1A-3

Lab Sample ID: 880-57498-1

Date Collected: 04/29/25 08:20

Matrix: Solid

Date Received: 04/29/25 16:35

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	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	04/30/25 23:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	04/30/25 23:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			109119	04/30/25 14:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109023	04/30/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109019	04/30/25 14:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 10:08	CH	EET MID

Client Sample ID: BS-1B-3

Lab Sample ID: 880-57498-2

Date Collected: 04/29/25 08:35

Matrix: Solid

Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	04/30/25 23:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	04/30/25 23:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			109119	04/30/25 15:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109023	04/30/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109019	04/30/25 15:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 10:28	CH	EET MID

Client Sample ID: SW-1W-1.5

Lab Sample ID: 880-57498-3

Date Collected: 04/29/25 08:55

Matrix: Solid

Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	04/30/25 23:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	04/30/25 23:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			109119	04/30/25 15:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	109023	04/30/25 08:10	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109019	04/30/25 15:20	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 10:35	CH	EET MID

Client Sample ID: SW-1N-1.5

Lab Sample ID: 880-57498-4

Date Collected: 04/29/25 09:05

Matrix: Solid

Date Received: 04/29/25 16:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 00:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	05/01/25 00:10	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: SW-1N-1.5
Date Collected: 04/29/25 09:05
Date Received: 04/29/25 16:35

Lab Sample ID: 880-57498-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			109119	04/30/25 14:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	109036	04/30/25 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109022	04/30/25 14:19	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 10:42	CH	EET MID

Client Sample ID: SW-1E-1.5
Date Collected: 04/29/25 09:25
Date Received: 04/29/25 16:35

Lab Sample ID: 880-57498-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 00:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	05/01/25 00:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			109119	04/30/25 14:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	109036	04/30/25 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109022	04/30/25 14:39	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 10:48	CH	EET MID

Client Sample ID: SW-2E-1
Date Collected: 04/29/25 09:40
Date Received: 04/29/25 16:35

Lab Sample ID: 880-57498-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 00:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	05/01/25 00:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			109119	04/30/25 15:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	109036	04/30/25 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109022	04/30/25 15:00	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 11:09	CH	EET MID

Client Sample ID: DUP-1 SW-2E-1
Date Collected: 04/29/25 09:40
Date Received: 04/29/25 16:35

Lab Sample ID: 880-57498-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	109088	04/30/25 12:47	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	109031	05/01/25 01:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			109225	05/01/25 01:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			109119	04/30/25 15:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	109036	04/30/25 09:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	109022	04/30/25 15:20	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Client Sample ID: DUP-1 SW-2E-1
Date Collected: 04/29/25 09:40
Date Received: 04/29/25 16:35

Lab Sample ID: 880-57498-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	109123	04/30/25 17:44	SMC	EET MID
Soluble	Analysis	300.0		1			109145	05/01/25 11:15	CH	EET MID

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

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- 2
- 3
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Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
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 MID
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:

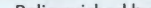
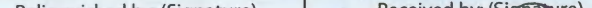
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-57498-1
SDG: Loco Hills NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-57498-1	BS-1A-3	Solid	04/29/25 08:20	04/29/25 16:35
880-57498-2	BS-1B-3	Solid	04/29/25 08:35	04/29/25 16:35
880-57498-3	SW-1W-1.5	Solid	04/29/25 08:55	04/29/25 16:35
880-57498-4	SW-1N-1.5	Solid	04/29/25 09:05	04/29/25 16:35
880-57498-5	SW-1E-1.5	Solid	04/29/25 09:25	04/29/25 16:35
880-57498-6	SW-2E-1	Solid	04/29/25 09:40	04/29/25 16:35
880-57498-7	DUP-1 SW-2E-1	Solid	04/29/25 09:40	04/29/25 16:35

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1			11035	4/12/2013	2				
3					4				
5					6				

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-57498-1

SDG Number: Loco Hills NM

Login Number: 57498

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Analytical Data Review Checklist

Site: Holly Younger Junction Location: Loco Hills, NM Client Name: HF SinclairMidstream Project #: 650142		Laboratory: Eurofins Environment Testing, Midland, TX Lab Report #: 880-57498-1 Reviewer: Nancy Bergstrom Peer Reviewer: Elizabeth Denly Review Date: 5/27/2025	
Analytical Method(s): -Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) with Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, and Xylenes, Total by SW-846 Method 8021B -Total Petroleum Hydrocarbons (TPH) with Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO) by SW-846 Method 8015B NM -Chloride by EPA Method 300.0	Matrices Sampled: Soil	Sample Collection Date(s): 4/29/2025	
Sampling Objective(s): Release Response Investigation			
Sample IDs (List IDs or attach COC): BS-1A-3, BS-1B-3, SW-1W-1.5, SW-1N-1.5, SW-1E-1.5, SW-2E-1, DUP 1(SW-2E-1)			

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?	X			
2	Did the laboratory report correct sample IDs?		X		The laboratory logged in the sample ID for DUP 1(SW-2E-1) as DUP-1 SW-2E-1
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			
5	Are results reported for all samples submitted for analysis?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		X		The laboratory did not report the results of the soil samples on a dry weight basis. 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?		X		Results were reported by the laboratory to the reporting limit (RL).
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		All samples were collected in and analyzed by the laboratory from unpreserved bulk soil jars. New Mexico allows for collection of VOC soil samples in unpreserved bulk soil jars.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
Blanks^b					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).			X	Field blank samples were not submitted with this data set.
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes^c					
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.		X		The LCSD percent recovery (%R) for GRO (67%) was below the laboratory control limits (70-130%). The nondetect results for GRO in all samples in this data set and the nondetect results for total TPH in samples SW-1W-1.5, SW-1N-1.5, SW-1E-1.5, SW-2E-1, and DUP 1(SW-2E-1) may be considered estimated (UJ). The positive results for total TPH in samples BS-1A-3 and BS-1B-3 did not require qualification as the total results were due to detections of DRO.



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
24	Does each analytical or preparation batch have its own LCS?	X			ORO is not analyzed for the 8015B NM LCS/LCSD.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			
Matrix Spikes^c Note: If not performed on a project sample, evaluation is not required.					
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/MSD analyses were performed on the following sample from this data set: -BS-1A-3 for BTEX and chloride
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	X			
Surrogates^c					
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.		X		The surrogate %R for 1,4-difluorobenzene (61%) was below the laboratory control limits (70-130%) in sample BS-1A-3. The positive result for ethylbenzene in sample BS-1A-3 may be considered estimated (J-) with a potential low bias. The nondetect results for benzene, toluene, m-xylene & p-xylene, o-xylene, xylenes, total, and total BTEX may be considered estimated (UJ). The surrogate %Rs for 1-chloroocetane (148%) and o-terphenyl (135%) were above the laboratory control limits (70-130%) in sample DUP 1(SW-2E-1). The nondetect results for GRO, DRO, ORO, and total TPH did not require qualification.
Duplicates^c Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not performed on a sample from this data set.
30	Were field duplicate criteria met? Refer to RPD and/or Tips tabs for typical criteria. If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.	X			The following samples were submitted as the field duplicate pair with this sample set: SW-2E-1 and DUP 1(SW-2D-1) RPD criteria were met for the detected analytes.
Do the Data Make Sense?					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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			The case narrative had the following note: Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-109036/2-A) and (LCSD 880-109036/3-A). Percent recoveries are based on the amount spiked. No validation actions are required on this basis.
32	Were any other potential data quality issues identified? If yes, describe issues.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?	X			
Additional Comments:					

Notes:

After data tables are created, check that reporting limits are below the project action levels (e.g., screening criteria, remediation standards, etc.) and compare data with historical results, if applicable. List any findings from this evaluation, when applicable, in the Additional Comments box above.

- a Comments generally need to be addressed in the TRC deliverable presenting the laboratory data, but this will be dependent on project requirements.
- b Check if local or regional criteria for blank assessments are available; these will supersede criteria in this checklist.
- c Use QC limits in QAPP, if available. If not, use QC limits provided by laboratory in data package.

The EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020) or most recent version found here:

<https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>

are typically used for data review guidelines when other project or state/regulatory data review guidance is not available. Project and state/regulatory data review guidance should be used and cited when applicable.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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Abbreviations:

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Chain-of-Custody
DRO	Diesel Range Organics
EDD	Electronic Data Deliverable
GRO	Gasoline Range Organics
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
ORO	Oil Range Organics
QAPP	Quality Assurance Project Plan
QC	Quality Control
RPD	Relative Percent Difference
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel
TRC Solutions, Inc.
10 Desta Drive
Suite #410E
Midland, Texas 79705

Generated 5/15/2025 5:03:28 PM

JOB DESCRIPTION

Younger Junction
Loco Hills, NM

JOB NUMBER

880-58159-1

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



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5/15/2025 5:03:28 PM

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

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Laboratory Job ID: 880-58159-1
SDG: Loco Hills, NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project: Younger Junction

Job ID: 880-58159-1

Job ID: 880-58159-1

Eurofins Midland

Job Narrative 880-58159-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/14/2025 2:43 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 -3.4°C.

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-110128 and analytical batch 880-110089 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.

Diesel Range Organics

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 - Soluble: The Chloride matrix spike (MS) recoveries for preparation batch 880-110182 and analytical batch 880-110189 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The associated samples are: SW-3E-2.5A (880-58159-1), SW-3N-2.5A (880-58159-2) and (880-58159-A-1-D MS).

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

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Client Sample ID: SW-3E-2.5A

Lab Sample ID: 880-58159-1

Date Collected: 05/13/25 12:35

Matrix: Solid

Date Received: 05/14/25 14:43

Sample Depth: 2.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/14/25 16:30	05/15/25 05:25	1
Toluene	<0.00199	U *	0.00199	mg/Kg		05/14/25 16:30	05/15/25 05:25	1
Ethylbenzene	<0.00199	U *	0.00199	mg/Kg		05/14/25 16:30	05/15/25 05:25	1
m-Xylene & p-Xylene	<0.00398	U *	0.00398	mg/Kg		05/14/25 16:30	05/15/25 05:25	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/14/25 16:30	05/15/25 05:25	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/14/25 16:30	05/15/25 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	05/14/25 16:30	05/15/25 05:25	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/14/25 16:30	05/15/25 05:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/15/25 05:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/15/25 15:29	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		05/14/25 16:21	05/15/25 15:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/14/25 16:21	05/15/25 15:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/14/25 16:21	05/15/25 15:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130	05/14/25 16:21	05/15/25 15:29	1
o-Terphenyl	70		70 - 130	05/14/25 16:21	05/15/25 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157	F1	9.96	mg/Kg			05/15/25 09:12	1

Client Sample ID: SW-3N-2.5A

Lab Sample ID: 880-58159-2

Date Collected: 05/13/25 12:45

Matrix: Solid

Date Received: 05/14/25 14:43

Sample Depth: 2.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/14/25 16:30	05/15/25 05:45	1
Toluene	<0.00198	U *	0.00198	mg/Kg		05/14/25 16:30	05/15/25 05:45	1
Ethylbenzene	<0.00198	U *	0.00198	mg/Kg		05/14/25 16:30	05/15/25 05:45	1
m-Xylene & p-Xylene	<0.00396	U *	0.00396	mg/Kg		05/14/25 16:30	05/15/25 05:45	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/14/25 16:30	05/15/25 05:45	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		05/14/25 16:30	05/15/25 05:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	05/14/25 16:30	05/15/25 05:45	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Client Sample ID: SW-3N-2.5A

Lab Sample ID: 880-58159-2

Date Collected: 05/13/25 12:45

Matrix: Solid

Date Received: 05/14/25 14:43

Sample Depth: 2.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	05/14/25 16:30	05/15/25 05:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			05/15/25 05:45	1

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			05/15/25 15:44	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		05/14/25 16:21	05/15/25 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/14/25 16:21	05/15/25 15:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/14/25 16:21	05/15/25 15:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130			05/14/25 16:21	05/15/25 15:44	1
o-Terphenyl	71		70 - 130			05/14/25 16:21	05/15/25 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		9.92	mg/Kg			05/15/25 09:34	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-58110-A-1-C MS	Matrix Spike	103	105
880-58110-A-1-D MSD	Matrix Spike Duplicate	105	108
880-58159-1	SW-3E-2.5A	94	84
880-58159-2	SW-3N-2.5A	90	98
LCS 880-110128/1-A	Lab Control Sample	106	102
LCSD 880-110128/2-A	Lab Control Sample Dup	104	99
MB 880-110097/5-A	Method Blank	88	94
MB 880-110128/5-A	Method Blank	85	90
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-58159-1	SW-3E-2.5A	70	70
880-58159-2	SW-3N-2.5A	72	71
890-8159-A-1-B MS	Matrix Spike	77	70
890-8159-A-1-C MSD	Matrix Spike Duplicate	75	71
LCS 880-110147/2-A	Lab Control Sample	82	78
LCSD 880-110147/3-A	Lab Control Sample Dup	81	77
MB 880-110147/1-A	Method Blank	77	79
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110097/5-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110097

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/25 08:43	05/14/25 11:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/25 08:43	05/14/25 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	05/14/25 08:43	05/14/25 11:10	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/14/25 08:43	05/14/25 11:10	1

Lab Sample ID: MB 880-110128/5-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110128

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/25 11:47	05/14/25 21:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/25 11:47	05/14/25 21:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	05/14/25 11:47	05/14/25 21:50	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/14/25 11:47	05/14/25 21:50	1

Lab Sample ID: LCS 880-110128/1-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07097		mg/Kg		71	70 - 130
Toluene	0.100	0.06565	*-	mg/Kg		66	70 - 130
Ethylbenzene	0.100	0.06730	*-	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	0.200	0.1329	*-	mg/Kg		66	70 - 130
o-Xylene	0.100	0.07694		mg/Kg		77	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-110128/2-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07362		mg/Kg		74	70 - 130	4	35

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

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

Lab Sample ID: LCSD 880-110128/2-A

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.06767	*-	mg/Kg		68	70 - 130	3	35
Ethylbenzene	0.100	0.07145		mg/Kg		71	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1538		mg/Kg		77	70 - 130	15	35
o-Xylene	0.100	0.07728		mg/Kg		77	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-58110-A-1-C MS

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08590		mg/Kg		86	70 - 130
Toluene	<0.00200	U *-	0.100	0.07666		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U *-	0.100	0.07871		mg/Kg		79	70 - 130
m-Xylene & p-Xylene	<0.00399	U *-	0.200	0.1400		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.100	0.07135		mg/Kg		71	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-58110-A-1-D MSD

Matrix: Solid

Analysis Batch: 110089

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110128

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08218		mg/Kg		82	70 - 130	4	35
Toluene	<0.00200	U *-	0.100	0.07310		mg/Kg		73	70 - 130	5	35
Ethylbenzene	<0.00200	U *-	0.100	0.08133		mg/Kg		81	70 - 130	3	35
m-Xylene & p-Xylene	<0.00399	U *-	0.200	0.1410		mg/Kg		71	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.07215		mg/Kg		72	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

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

Lab Sample ID: MB 880-110147/1-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110147

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/14/25 15:14	05/15/25 07:47	1

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

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

Lab Sample ID: MB 880-110147/1-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110147

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/14/25 15:14	05/15/25 07:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/14/25 15:14	05/15/25 07:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			05/14/25 15:14	05/15/25 07:47	1
o-Terphenyl	79		70 - 130			05/14/25 15:14	05/15/25 07:47	1

Lab Sample ID: LCS 880-110147/2-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1052		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	977.5		mg/Kg		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	82		70 - 130				
o-Terphenyl	78		70 - 130				

Lab Sample ID: LCSD 880-110147/3-A

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110147

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	998.2		mg/Kg		100	70 - 130	2	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	81		70 - 130						
o-Terphenyl	77		70 - 130						

Lab Sample ID: 890-8159-A-1-B MS

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1028		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	945.7		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	77		70 - 130						
o-Terphenyl	70		70 - 130						

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

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

Lab Sample ID: 890-8159-A-1-C MSD

Matrix: Solid

Analysis Batch: 110223

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110147

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	981.0		mg/Kg		97	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	973.1		mg/Kg		95	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	75		70 - 130								
o-Terphenyl	71		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110182/1-A

Matrix: Solid

Analysis Batch: 110189

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			05/15/25 08:51	1

Lab Sample ID: LCS 880-110182/2-A

Matrix: Solid

Analysis Batch: 110189

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.9		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-110182/3-A

Matrix: Solid

Analysis Batch: 110189

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	247.1		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-58159-1 MS

Matrix: Solid

Analysis Batch: 110189

Client Sample ID: SW-3E-2.5A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	157	F1	249	433.7	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-58159-1 MSD

Matrix: Solid

Analysis Batch: 110189

Client Sample ID: SW-3E-2.5A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	157	F1	249	425.8		mg/Kg		108	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

GC VOA

Analysis Batch: 110089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Total/NA	Solid	8021B	110128
880-58159-2	SW-3N-2.5A	Total/NA	Solid	8021B	110128
MB 880-110097/5-A	Method Blank	Total/NA	Solid	8021B	110097
MB 880-110128/5-A	Method Blank	Total/NA	Solid	8021B	110128
LCS 880-110128/1-A	Lab Control Sample	Total/NA	Solid	8021B	110128
LCSD 880-110128/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110128
880-58110-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	110128
880-58110-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	110128

Prep Batch: 110097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-110097/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 110128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Total/NA	Solid	5035	
880-58159-2	SW-3N-2.5A	Total/NA	Solid	5035	
MB 880-110128/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110128/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110128/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-58110-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-58110-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 110208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Total/NA	Solid	Total BTEX	
880-58159-2	SW-3N-2.5A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 110147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Total/NA	Solid	8015NM Prep	
880-58159-2	SW-3N-2.5A	Total/NA	Solid	8015NM Prep	
MB 880-110147/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110147/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8159-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8159-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Total/NA	Solid	8015B NM	110147
880-58159-2	SW-3N-2.5A	Total/NA	Solid	8015B NM	110147
MB 880-110147/1-A	Method Blank	Total/NA	Solid	8015B NM	110147
LCS 880-110147/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110147
LCSD 880-110147/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110147
890-8159-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	110147
890-8159-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110147

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

GC Semi VOA

Analysis Batch: 110266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Total/NA	Solid	8015 NM	
880-58159-2	SW-3N-2.5A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 110182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Soluble	Solid	DI Leach	
880-58159-2	SW-3N-2.5A	Soluble	Solid	DI Leach	
MB 880-110182/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110182/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110182/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58159-1 MS	SW-3E-2.5A	Soluble	Solid	DI Leach	
880-58159-1 MSD	SW-3E-2.5A	Soluble	Solid	DI Leach	

Analysis Batch: 110189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58159-1	SW-3E-2.5A	Soluble	Solid	300.0	110182
880-58159-2	SW-3N-2.5A	Soluble	Solid	300.0	110182
MB 880-110182/1-A	Method Blank	Soluble	Solid	300.0	110182
LCS 880-110182/2-A	Lab Control Sample	Soluble	Solid	300.0	110182
LCSD 880-110182/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110182
880-58159-1 MS	SW-3E-2.5A	Soluble	Solid	300.0	110182
880-58159-1 MSD	SW-3E-2.5A	Soluble	Solid	300.0	110182

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Client Sample ID: SW-3E-2.5A
Date Collected: 05/13/25 12:35
Date Received: 05/14/25 14:43

Lab Sample ID: 880-58159-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	110128	05/14/25 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110089	05/15/25 05:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110208	05/15/25 05:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			110266	05/15/25 15:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110147	05/14/25 16:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110223	05/15/25 15:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110182	05/15/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110189	05/15/25 09:12	SMC	EET MID

Client Sample ID: SW-3N-2.5A
Date Collected: 05/13/25 12:45
Date Received: 05/14/25 14:43

Lab Sample ID: 880-58159-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	110128	05/14/25 16:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110089	05/15/25 05:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110208	05/15/25 05:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			110266	05/15/25 15:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110147	05/14/25 16:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110223	05/15/25 15:44	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110182	05/15/25 07:54	SA	EET MID
Soluble	Analysis	300.0		1			110189	05/15/25 09:34	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: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
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 MID
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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 880-58159-1
SDG: Loco Hills, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-58159-1	SW-3E-2.5A	Solid	05/13/25 12:35	05/14/25 14:43	2.5
880-58159-2	SW-3N-2.5A	Solid	05/13/25 12:45	05/14/25 14:43	2.5

- 1
- 2
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- 13
- 14



Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-58159-1

SDG Number: Loco Hills, NM

Login Number: 58159

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Analytical Data Review Checklist

Site: Holly Younger Junction Location: Loco Hills, NM Client Name: HF SinclairMidstream Project #: 650142		Laboratory: Eurofins Environment Testing, Midland, TX Lab Report #: 880-58159-1 Reviewer: Nancy Bergstrom Peer Reviewer: Elizabeth Denly Review Date: 5/27/2025	
Analytical Method(s): -Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) with Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, and Xylenes, Total by SW-846 Method 8021B -Total Petroleum Hydrocarbons (TPH) with Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO) by SW-846 Method 8015B NM -Chloride by EPA Method 300.0	Matrices Sampled: Soil	Sample Collection Date(s): 5/13/2025	
Sampling Objective(s): Release Response Investigation			
Sample IDs (List IDs or attach COC): SW-3E-2.5A, SW-3N-2.5A			

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?	X			
2	Did the laboratory report correct sample IDs?	X			
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			
5	Are results reported for all samples submitted for analysis?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		X		The laboratory did not report the results of the soil samples on a dry weight basis. 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?		X		Results were reported by the laboratory to the reporting limit (RL).
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?			X	
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		All samples were collected in and analyzed by the laboratory from unpreserved bulk soil jars. New Mexico allows for collection of VOC soil samples in unpreserved bulk soil jars.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).		X		
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?			X	
QC Results					
Blanks^b					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).			X	Field blank samples were not submitted with this data set.
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes^c					
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.		X		The LCS and LCSD percent recoveries (%Rs) for toluene (66%/68%) and the LCS %Rs for ethylbenzene (67%), m-xylene & p-xylene (66%) were below the laboratory control limits (70-130%). The nondetect results for toluene, ethylbenzene, m-xylene & p-xylene, and BTEX in both samples in this data set may be considered estimated (UJ).



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
24	Does each analytical or preparation batch have its own LCS?	X			ORO is not analyzed for the 8015B NM LCS/LCSD.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			
Matrix Spikes^c Note: If not performed on a project sample, evaluation is not required.					
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/MSD analyses were performed on the following sample from this data set: -SW-3E-2.5A for chloride The MS %R for chloride (111%) was above the laboratory control limits (90-110%) in sample SW-3E-2.5A. The positive results for chloride in both samples in this data set may be considered estimated (J+) with a potential high bias.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	X			
Surrogates^c					
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
Duplicates^c Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not performed on a sample from this data set.
30	Were field duplicate criteria met? Refer to RPD and/or Tips tabs for typical criteria. If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.			X	Field duplicate samples were not submitted with this data set.
Do the Data Make Sense?					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?	X			
Additional Comments:					

Notes:

After data tables are created, check that reporting limits are below the project action levels (e.g., screening criteria, remediation standards, etc.) and compare data with historical results, if applicable. List any findings from this evaluation, when applicable, in the Additional Comments box above.

- a Comments generally need to be addressed in the TRC deliverable presenting the laboratory data, but this will be dependent on project requirements.
- b Check if local or regional criteria for blank assessments are available; these will supersede criteria in this checklist.
- c Use QC limits in QAPP, if available. If not, use QC limits provided by laboratory in data package.

The EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020) or most recent version found here:

<https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>

are typically used for data review guidelines when other project or state/regulatory data review guidance is not available. Project and state/regulatory data review guidance should be used and cited when applicable.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
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Abbreviations:

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Chain-of-Custody
DRO	Diesel Range Organics
EDD	Electronic Data Deliverable
GRO	Gasoline Range Organics
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
ORO	Oil Range Organics
QAPP	Quality Assurance Project Plan
QC	Quality Control
RPD	Relative Percent Difference
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound



Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Jared Stoffel
TRC Solutions, Inc.
10 Desta Drive
Suite #410E
Midland, Texas 79705

Generated 6/10/2025 9:01:03 AM Revision 1

JOB DESCRIPTION

Younger Junction
Loco Hills NM

JOB NUMBER

890-8172-1

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



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

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6/10/2025 9:01:03 AM
Revision 1

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Laboratory Job ID: 890-8172-1
SDG: Loco Hills NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project: Younger Junction

Job ID: 890-8172-1

Job ID: 890-8172-1

Eurofins Carlsbad

Job Narrative
890-8172-1

REVISION

The report being provided is a revision of the original report sent on 5/20/2025. The report (revision 1) is being revised due to Interoffice paperwork missing on final report..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/16/2025 4:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BS-2A 4 (890-8172-1), BS-2B-4 (890-8172-2), BS-2C-4 (890-8172-3), BS-2D-4 (890-8172-4), BS-1A-4 (890-8172-5), BS-1B-4 (890-8172-6), BF-1 (890-8172-7), DUP-2 (890-8172-8), 10907 (890-8172-9), 0112201 (890-8172-10), 10907 (890-8172-11) and 0112201 (890-8172-12).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-110405 was outside the upper control limits.

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

Diesel Range Organics

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 - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110432 and analytical batch 880-110439 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.

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.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-2A 4

Lab Sample ID: 890-8172-1

Date Collected: 05/16/25 13:00

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/19/25 10:09	05/19/25 11:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/19/25 10:09	05/19/25 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	05/19/25 10:09	05/19/25 11:53	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/19/25 10:09	05/19/25 11:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			05/19/25 11:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/19/25 15:40	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		05/19/25 08:51	05/19/25 15:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/19/25 08:51	05/19/25 15:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/19/25 08:51	05/19/25 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/19/25 08:51	05/19/25 15:40	1
o-Terphenyl	108		70 - 130	05/19/25 08:51	05/19/25 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.6		9.94	mg/Kg			05/19/25 18:54	1

Client Sample ID: BS-2B-4

Lab Sample ID: 890-8172-2

Date Collected: 05/16/25 13:05

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 12:13	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 12:13	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 12:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/19/25 10:09	05/19/25 12:13	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 12:13	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/19/25 10:09	05/19/25 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/19/25 10:09	05/19/25 12:13	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-2B-4

Lab Sample ID: 890-8172-2

Date Collected: 05/16/25 13:05

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	05/19/25 10:09	05/19/25 12:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/19/25 12:13	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/19/25 15:55	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		05/19/25 08:51	05/19/25 15:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 15:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			05/19/25 08:51	05/19/25 15:55	1
o-Terphenyl	109		70 - 130			05/19/25 08:51	05/19/25 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197	F1	9.96	mg/Kg			05/19/25 19:01	1

Client Sample ID: BS-2C-4

Lab Sample ID: 890-8172-3

Date Collected: 05/16/25 13:20

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 12:34	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 12:34	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 12:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/19/25 10:09	05/19/25 12:34	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 12:34	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/19/25 10:09	05/19/25 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	05/19/25 10:09	05/19/25 12:34	1
1,4-Difluorobenzene (Surr)	85		70 - 130	05/19/25 10:09	05/19/25 12:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/19/25 12:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/19/25 16:25	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-2C-4

Lab Sample ID: 890-8172-3

Date Collected: 05/16/25 13:20

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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		05/19/25 08:51	05/19/25 16:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 16:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			05/19/25 08:51	05/19/25 16:25	1
o-Terphenyl	113		70 - 130			05/19/25 08:51	05/19/25 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		9.98	mg/Kg			05/19/25 19:22	1

Client Sample ID: BS-2D-4

Lab Sample ID: 890-8172-4

Date Collected: 05/16/25 13:15

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/19/25 10:09	05/19/25 12:54	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/19/25 10:09	05/19/25 12:54	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/19/25 10:09	05/19/25 12:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		05/19/25 10:09	05/19/25 12:54	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/19/25 10:09	05/19/25 12:54	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		05/19/25 10:09	05/19/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			05/19/25 10:09	05/19/25 12:54	1
1,4-Difluorobenzene (Surr)	86		70 - 130			05/19/25 10:09	05/19/25 12:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			05/19/25 12:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			05/19/25 16:40	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	<49.7	U	49.7	mg/Kg		05/19/25 08:51	05/19/25 16:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		05/19/25 08:51	05/19/25 16:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		05/19/25 08:51	05/19/25 16:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			05/19/25 08:51	05/19/25 16:40	1
o-Terphenyl	107		70 - 130			05/19/25 08:51	05/19/25 16:40	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-2D-4

Lab Sample ID: 890-8172-4

Date Collected: 05/16/25 13:15

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	458		9.92	mg/Kg			05/19/25 19:29	1

Client Sample ID: BS-1A-4

Lab Sample ID: 890-8172-5

Date Collected: 05/16/25 13:25

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 13:15	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 13:15	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 13:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/19/25 10:09	05/19/25 13:15	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/19/25 10:09	05/19/25 13:15	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/19/25 10:09	05/19/25 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			05/19/25 10:09	05/19/25 13:15	1
1,4-Difluorobenzene (Surr)	85		70 - 130			05/19/25 10:09	05/19/25 13:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			05/19/25 13:15	1

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			05/19/25 16:55	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		05/19/25 08:51	05/19/25 16:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/19/25 08:51	05/19/25 16:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/19/25 08:51	05/19/25 16:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			05/19/25 08:51	05/19/25 16:55	1
o-Terphenyl	121		70 - 130			05/19/25 08:51	05/19/25 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	629		10.0	mg/Kg			05/19/25 19:50	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-1B-4

Lab Sample ID: 890-8172-6

Date Collected: 05/16/25 13:30

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 13:35	1
Toluene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 13:35	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 13:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/19/25 10:09	05/19/25 13:35	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		05/19/25 10:09	05/19/25 13:35	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/19/25 10:09	05/19/25 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	05/19/25 10:09	05/19/25 13:35	1
1,4-Difluorobenzene (Surr)	83		70 - 130	05/19/25 10:09	05/19/25 13:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			05/19/25 13:35	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			05/19/25 17:09	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		05/19/25 08:51	05/19/25 17:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/19/25 08:51	05/19/25 17:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/19/25 08:51	05/19/25 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	05/19/25 08:51	05/19/25 17:09	1
o-Terphenyl	121		70 - 130	05/19/25 08:51	05/19/25 17:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2150		50.1	mg/Kg			05/19/25 19:57	5

Client Sample ID: BF-1

Lab Sample ID: 890-8172-7

Date Collected: 05/16/25 13:30

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/19/25 10:09	05/19/25 13:56	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/19/25 10:09	05/19/25 13:56	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/19/25 10:09	05/19/25 13:56	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		05/19/25 10:09	05/19/25 13:56	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/19/25 10:09	05/19/25 13:56	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		05/19/25 10:09	05/19/25 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/19/25 10:09	05/19/25 13:56	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BF-1

Lab Sample ID: 890-8172-7

Date Collected: 05/16/25 13:30

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	05/19/25 10:09	05/19/25 13:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			05/19/25 13:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/19/25 17:24	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		05/19/25 08:51	05/19/25 17:24	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 17:24	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			05/19/25 08:51	05/19/25 17:24	1
o-Terphenyl	106		70 - 130			05/19/25 08:51	05/19/25 17:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	319		10.1	mg/Kg			05/19/25 20:04	1

Client Sample ID: DUP-2

Lab Sample ID: 890-8172-8

Date Collected: 05/16/25 13:00

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 14:17	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 14:17	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 14:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/19/25 10:09	05/19/25 14:17	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 14:17	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/19/25 10:09	05/19/25 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	05/19/25 10:09	05/19/25 14:17	1
1,4-Difluorobenzene (Surr)	84		70 - 130	05/19/25 10:09	05/19/25 14:17	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			05/19/25 14:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			05/19/25 17:39	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: DUP-2

Lab Sample ID: 890-8172-8

Date Collected: 05/16/25 13:00

Matrix: Solid

Date Received: 05/16/25 16:00

Sample Depth: 4FT

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		05/19/25 08:51	05/19/25 17:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 17:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/19/25 08:51	05/19/25 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	05/19/25 08:51	05/19/25 17:39	1
o-Terphenyl	109		70 - 130	05/19/25 08:51	05/19/25 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.6		10.0	mg/Kg			05/19/25 20:12	1

Client Sample ID: 10907

Lab Sample ID: 890-8172-11

Date Collected: 05/16/25 00:00

Matrix: Water

Date Received: 05/16/25 16:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			05/19/25 13:03	1
Toluene	<0.00200	U	0.00200	mg/L			05/19/25 13:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			05/19/25 13:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			05/19/25 13:03	1
o-Xylene	<0.00200	U	0.00200	mg/L			05/19/25 13:03	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			05/19/25 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/19/25 13:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130		05/19/25 13:03	1

Client Sample ID: 0112201

Lab Sample ID: 890-8172-12

Date Collected: 05/16/25 00:00

Matrix: Water

Date Received: 05/16/25 16:00

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			05/19/25 13:24	1
Toluene	<0.00200	U	0.00200	mg/L			05/19/25 13:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			05/19/25 13:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			05/19/25 13:24	1
o-Xylene	<0.00200	U	0.00200	mg/L			05/19/25 13:24	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			05/19/25 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130		05/19/25 13:24	1
1,4-Difluorobenzene (Surr)	103		70 - 130		05/19/25 13:24	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8172-1	BS-2A 4	107	90
890-8172-1 MS	BS-2A 4	112	92
890-8172-1 MSD	BS-2A 4	101	93
890-8172-2	BS-2B-4	112	85
890-8172-3	BS-2C-4	98	85
890-8172-4	BS-2D-4	115	86
890-8172-5	BS-1A-4	101	85
890-8172-6	BS-1B-4	101	83
890-8172-7	BF-1	110	85
890-8172-8	DUP-2	103	84
LCS 880-110423/1-A	Lab Control Sample	96	100
LCSD 880-110423/2-A	Lab Control Sample Dup	108	93
MB 880-110423/5-A	Method Blank	109	77
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8172-11	10907	95	102
890-8172-11 MS	10907	109	94
890-8172-11 MSD	10907	111	104
890-8172-12	0112201	113	103
LCS 880-110405/3	Lab Control Sample	101	97
LCSD 880-110405/4	Lab Control Sample Dup	103	102
MB 880-110405/8	Method Blank	161 S1+	97
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8170-A-1-B MS	Matrix Spike	124	120
890-8170-A-1-C MSD	Matrix Spike Duplicate	109	109
890-8172-1	BS-2A 4	100	108
890-8172-2	BS-2B-4	101	109
890-8172-3	BS-2C-4	105	113
890-8172-4	BS-2D-4	99	107
890-8172-5	BS-1A-4	115	121
890-8172-6	BS-1B-4	115	121
890-8172-7	BF-1	101	106

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8172-8	DUP-2	100	109
LCS 880-110414/2-A	Lab Control Sample	79	77
LCSD 880-110414/3-A	Lab Control Sample Dup	77	78
MB 880-110414/1-A	Method Blank	101	103
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-110405/8

Matrix: Water

Analysis Batch: 110405

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			05/19/25 12:35	1
Toluene	<0.00200	U	0.00200	mg/L			05/19/25 12:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			05/19/25 12:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			05/19/25 12:35	1
o-Xylene	<0.00200	U	0.00200	mg/L			05/19/25 12:35	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			05/19/25 12:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	161	S1+	70 - 130		05/19/25 12:35	1
1,4-Difluorobenzene (Surr)	97		70 - 130		05/19/25 12:35	1

Lab Sample ID: LCS 880-110405/3

Matrix: Water

Analysis Batch: 110405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09371		mg/L		94	70 - 130
Toluene	0.100	0.08678		mg/L		87	70 - 130
Ethylbenzene	0.100	0.09268		mg/L		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1795		mg/L		90	70 - 130
o-Xylene	0.100	0.08960		mg/L		90	70 - 130

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

Lab Sample ID: LCSD 880-110405/4

Matrix: Water

Analysis Batch: 110405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09398		mg/L		94	70 - 130	0	20
Toluene	0.100	0.08611		mg/L		86	70 - 130	1	20
Ethylbenzene	0.100	0.09698		mg/L		97	70 - 130	5	20
m-Xylene & p-Xylene	0.200	0.1756		mg/L		88	70 - 130	2	20
o-Xylene	0.100	0.08698		mg/L		87	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-8172-11 MS

Matrix: Water

Analysis Batch: 110405

Client Sample ID: 10907

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09225		mg/L		92	70 - 130
Toluene	<0.00200	U	0.100	0.09653		mg/L		97	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

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

Lab Sample ID: 890-8172-11 MS

Client Sample ID: 10907

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 110405

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1026		mg/L		103	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2000		mg/L		100	70 - 130
o-Xylene	<0.00200	U	0.100	0.09902		mg/L		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-8172-11 MSD

Client Sample ID: 10907

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 110405

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09731		mg/L		97	70 - 130	5	25
Toluene	<0.00200	U	0.100	0.09039		mg/L		90	70 - 130	7	25
Ethylbenzene	<0.00200	U	0.100	0.09244		mg/L		92	70 - 130	10	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1813		mg/L		91	70 - 130	10	25
o-Xylene	<0.00200	U	0.100	0.09997		mg/L		100	70 - 130	1	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-110423/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 110407

Prep Batch: 110423

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/19/25 10:09	05/19/25 11:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/19/25 10:09	05/19/25 11:31	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/19/25 10:09	05/19/25 11:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/19/25 10:09	05/19/25 11:31	1
1,4-Difluorobenzene (Surr)	77		70 - 130	05/19/25 10:09	05/19/25 11:31	1

Lab Sample ID: LCS 880-110423/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 110407

Prep Batch: 110423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1019		mg/Kg		102	70 - 130
Toluene	0.100	0.09929		mg/Kg		99	70 - 130
Ethylbenzene	0.100	0.09557		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2029		mg/Kg		101	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

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

Lab Sample ID: LCS 880-110423/1-A

Matrix: Solid

Analysis Batch: 110407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130

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

Lab Sample ID: LCSD 880-110423/2-A

Matrix: Solid

Analysis Batch: 110407

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110423

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09867		mg/Kg		99	70 - 130	3	35
Toluene	0.100	0.09780		mg/Kg		98	70 - 130	2	35
Ethylbenzene	0.100	0.09320		mg/Kg		93	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2001		mg/Kg		100	70 - 130	1	35
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-8172-1 MS

Matrix: Solid

Analysis Batch: 110407

Client Sample ID: BS-2A 4

Prep Type: Total/NA

Prep Batch: 110423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.1019		mg/Kg		102	70 - 130
Toluene	<0.00200	U	0.100	0.09976		mg/Kg		100	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.09456		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2031		mg/Kg		102	70 - 130
o-Xylene	<0.00200	U	0.100	0.1013		mg/Kg		101	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-8172-1 MSD

Matrix: Solid

Analysis Batch: 110407

Client Sample ID: BS-2A 4

Prep Type: Total/NA

Prep Batch: 110423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1003		mg/Kg		100	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.09787		mg/Kg		98	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.09253		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1962		mg/Kg		98	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.09737		mg/Kg		97	70 - 130	4	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

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

Lab Sample ID: 890-8172-1 MSD

Matrix: Solid

Analysis Batch: 110407

Client Sample ID: BS-2A 4

Prep Type: Total/NA

Prep Batch: 110423

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

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

Lab Sample ID: MB 880-110414/1-A

Matrix: Solid

Analysis Batch: 110440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 110414

	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		05/19/25 08:50	05/19/25 10:20	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/19/25 08:50	05/19/25 10:20	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/19/25 08:50	05/19/25 10:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane	101		70 - 130			05/19/25 08:50	05/19/25 10:20	1	
o-Terphenyl	103		70 - 130			05/19/25 08:50	05/19/25 10:20	1	

Lab Sample ID: LCS 880-110414/2-A

Matrix: Solid

Analysis Batch: 110440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 110414

	Spike	LCS	LCS						
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1079		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	910.8		mg/Kg		91	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	77		70 - 130						

Lab Sample ID: LCSD 880-110414/3-A

Matrix: Solid

Analysis Batch: 110440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 110414

	Spike	LCSD	LCSD						
Analyte	Added	Result	Qualifier	Unit	D	%Rec	%Rec	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1087		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	933.5		mg/Kg		93	70 - 130	2	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	77		70 - 130						
o-Terphenyl	78		70 - 130						

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

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

Lab Sample ID: 890-8170-A-1-B MS

Matrix: Solid

Analysis Batch: 110440

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 110414

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	1002		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	916.0		mg/Kg		92	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	124		70 - 130								
o-Terphenyl	120		70 - 130								

Lab Sample ID: 890-8170-A-1-C MSD

Matrix: Solid

Analysis Batch: 110440

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 110414

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	873.7		mg/Kg		88	70 - 130		14	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	815.2		mg/Kg		82	70 - 130		12	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-110432/1-A

Matrix: Solid

Analysis Batch: 110439

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	mg/Kg			05/19/25 17:00	1

Lab Sample ID: LCS 880-110432/2-A

Matrix: Solid

Analysis Batch: 110439

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-110432/3-A

Matrix: Solid

Analysis Batch: 110439

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	264.8		mg/Kg		106	90 - 110	3	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8172-2 MS										Client Sample ID: BS-2B-4				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 110439														
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits					
Chloride	197	F1	249	471.7		mg/Kg		110	90 - 110					

Lab Sample ID: 890-8172-2 MSD										Client Sample ID: BS-2B-4				
Matrix: Solid										Prep Type: Soluble				
Analysis Batch: 110439														
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit			
Chloride	197	F1	249	472.6	F1	mg/Kg		111	90 - 110	0	20			

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

GC VOA

Analysis Batch: 110405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-11	10907	Total/NA	Water	8021B	
890-8172-12	0112201	Total/NA	Water	8021B	
MB 880-110405/8	Method Blank	Total/NA	Water	8021B	
LCS 880-110405/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-110405/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-8172-11 MS	10907	Total/NA	Water	8021B	
890-8172-11 MSD	10907	Total/NA	Water	8021B	

Analysis Batch: 110407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Total/NA	Solid	8021B	110423
890-8172-2	BS-2B-4	Total/NA	Solid	8021B	110423
890-8172-3	BS-2C-4	Total/NA	Solid	8021B	110423
890-8172-4	BS-2D-4	Total/NA	Solid	8021B	110423
890-8172-5	BS-1A-4	Total/NA	Solid	8021B	110423
890-8172-6	BS-1B-4	Total/NA	Solid	8021B	110423
890-8172-7	BF-1	Total/NA	Solid	8021B	110423
890-8172-8	DUP-2	Total/NA	Solid	8021B	110423
MB 880-110423/5-A	Method Blank	Total/NA	Solid	8021B	110423
LCS 880-110423/1-A	Lab Control Sample	Total/NA	Solid	8021B	110423
LCSD 880-110423/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	110423
890-8172-1 MS	BS-2A 4	Total/NA	Solid	8021B	110423
890-8172-1 MSD	BS-2A 4	Total/NA	Solid	8021B	110423

Prep Batch: 110423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Total/NA	Solid	5035	
890-8172-2	BS-2B-4	Total/NA	Solid	5035	
890-8172-3	BS-2C-4	Total/NA	Solid	5035	
890-8172-4	BS-2D-4	Total/NA	Solid	5035	
890-8172-5	BS-1A-4	Total/NA	Solid	5035	
890-8172-6	BS-1B-4	Total/NA	Solid	5035	
890-8172-7	BF-1	Total/NA	Solid	5035	
890-8172-8	DUP-2	Total/NA	Solid	5035	
MB 880-110423/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-110423/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-110423/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8172-1 MS	BS-2A 4	Total/NA	Solid	5035	
890-8172-1 MSD	BS-2A 4	Total/NA	Solid	5035	

Analysis Batch: 110453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Total/NA	Solid	Total BTEX	
890-8172-2	BS-2B-4	Total/NA	Solid	Total BTEX	
890-8172-3	BS-2C-4	Total/NA	Solid	Total BTEX	
890-8172-4	BS-2D-4	Total/NA	Solid	Total BTEX	
890-8172-5	BS-1A-4	Total/NA	Solid	Total BTEX	
890-8172-6	BS-1B-4	Total/NA	Solid	Total BTEX	
890-8172-7	BF-1	Total/NA	Solid	Total BTEX	
890-8172-8	DUP-2	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

GC Semi VOA

Prep Batch: 110414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Total/NA	Solid	8015NM Prep	
890-8172-2	BS-2B-4	Total/NA	Solid	8015NM Prep	
890-8172-3	BS-2C-4	Total/NA	Solid	8015NM Prep	
890-8172-4	BS-2D-4	Total/NA	Solid	8015NM Prep	
890-8172-5	BS-1A-4	Total/NA	Solid	8015NM Prep	
890-8172-6	BS-1B-4	Total/NA	Solid	8015NM Prep	
890-8172-7	BF-1	Total/NA	Solid	8015NM Prep	
890-8172-8	DUP-2	Total/NA	Solid	8015NM Prep	
MB 880-110414/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-110414/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-110414/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8170-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8170-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 110440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Total/NA	Solid	8015B NM	110414
890-8172-2	BS-2B-4	Total/NA	Solid	8015B NM	110414
890-8172-3	BS-2C-4	Total/NA	Solid	8015B NM	110414
890-8172-4	BS-2D-4	Total/NA	Solid	8015B NM	110414
890-8172-5	BS-1A-4	Total/NA	Solid	8015B NM	110414
890-8172-6	BS-1B-4	Total/NA	Solid	8015B NM	110414
890-8172-7	BF-1	Total/NA	Solid	8015B NM	110414
890-8172-8	DUP-2	Total/NA	Solid	8015B NM	110414
MB 880-110414/1-A	Method Blank	Total/NA	Solid	8015B NM	110414
LCS 880-110414/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	110414
LCSD 880-110414/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	110414
890-8170-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	110414
890-8170-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	110414

Analysis Batch: 110537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Total/NA	Solid	8015 NM	
890-8172-2	BS-2B-4	Total/NA	Solid	8015 NM	
890-8172-3	BS-2C-4	Total/NA	Solid	8015 NM	
890-8172-4	BS-2D-4	Total/NA	Solid	8015 NM	
890-8172-5	BS-1A-4	Total/NA	Solid	8015 NM	
890-8172-6	BS-1B-4	Total/NA	Solid	8015 NM	
890-8172-7	BF-1	Total/NA	Solid	8015 NM	
890-8172-8	DUP-2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 110432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Soluble	Solid	DI Leach	
890-8172-2	BS-2B-4	Soluble	Solid	DI Leach	
890-8172-3	BS-2C-4	Soluble	Solid	DI Leach	
890-8172-4	BS-2D-4	Soluble	Solid	DI Leach	
890-8172-5	BS-1A-4	Soluble	Solid	DI Leach	
890-8172-6	BS-1B-4	Soluble	Solid	DI Leach	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

HPLC/IC (Continued)

Leach Batch: 110432 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-7	BF-1	Soluble	Solid	DI Leach	
890-8172-8	DUP-2	Soluble	Solid	DI Leach	
MB 880-110432/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-110432/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-110432/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8172-2 MS	BS-2B-4	Soluble	Solid	DI Leach	
890-8172-2 MSD	BS-2B-4	Soluble	Solid	DI Leach	

Analysis Batch: 110439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8172-1	BS-2A 4	Soluble	Solid	300.0	110432
890-8172-2	BS-2B-4	Soluble	Solid	300.0	110432
890-8172-3	BS-2C-4	Soluble	Solid	300.0	110432
890-8172-4	BS-2D-4	Soluble	Solid	300.0	110432
890-8172-5	BS-1A-4	Soluble	Solid	300.0	110432
890-8172-6	BS-1B-4	Soluble	Solid	300.0	110432
890-8172-7	BF-1	Soluble	Solid	300.0	110432
890-8172-8	DUP-2	Soluble	Solid	300.0	110432
MB 880-110432/1-A	Method Blank	Soluble	Solid	300.0	110432
LCS 880-110432/2-A	Lab Control Sample	Soluble	Solid	300.0	110432
LCSD 880-110432/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	110432
890-8172-2 MS	BS-2B-4	Soluble	Solid	300.0	110432
890-8172-2 MSD	BS-2B-4	Soluble	Solid	300.0	110432

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-2A 4**Lab Sample ID: 890-8172-1****Date Collected: 05/16/25 13:00****Matrix: Solid****Date Received: 05/16/25 16:00**

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	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 11:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 11:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 15:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 15:40	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1			110439	05/19/25 18:54	CH	EET MID

Client Sample ID: BS-2B-4**Lab Sample ID: 890-8172-2****Date Collected: 05/16/25 13:05****Matrix: Solid****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 12:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 15:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 15:55	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 19:01	CH	EET MID

Client Sample ID: BS-2C-4**Lab Sample ID: 890-8172-3****Date Collected: 05/16/25 13:20****Matrix: Solid****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 12:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 12:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 16:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 16:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1			110439	05/19/25 19:22	CH	EET MID

Client Sample ID: BS-2D-4**Lab Sample ID: 890-8172-4****Date Collected: 05/16/25 13:15****Matrix: Solid****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 12:54	SM	EET MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BS-2D-4**Date Collected: 05/16/25 13:15****Date Received: 05/16/25 16:00****Lab Sample ID: 890-8172-4****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			110537	05/19/25 16:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 16:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 19:29	CH	EET MID

Client Sample ID: BS-1A-4**Date Collected: 05/16/25 13:25****Date Received: 05/16/25 16:00****Lab Sample ID: 890-8172-5****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 13:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 13:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 16:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 16:55	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 19:50	CH	EET MID

Client Sample ID: BS-1B-4**Date Collected: 05/16/25 13:30****Date Received: 05/16/25 16:00****Lab Sample ID: 890-8172-6****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 13:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 13:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 17:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 17:09	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		5	10 mL	10 mL	110439	05/19/25 19:57	CH	EET MID

Client Sample ID: BF-1**Date Collected: 05/16/25 13:30****Date Received: 05/16/25 16:00****Lab Sample ID: 890-8172-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 13:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 13:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 17:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 17:24	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Client Sample ID: BF-1**Lab Sample ID: 890-8172-7****Date Collected: 05/16/25 13:30****Matrix: Solid****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 20:04	CH	EET MID

Client Sample ID: DUP-2**Lab Sample ID: 890-8172-8****Date Collected: 05/16/25 13:00****Matrix: Solid****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	110423	05/19/25 10:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	110407	05/19/25 14:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			110453	05/19/25 14:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			110537	05/19/25 17:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	110414	05/19/25 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	110440	05/19/25 17:39	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	110432	05/19/25 10:56	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	110439	05/19/25 20:12	CH	EET MID

Client Sample ID: 10907**Lab Sample ID: 890-8172-11****Date Collected: 05/16/25 00:00****Matrix: Water****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	110405	05/19/25 13:03	MNR	EET MID

Client Sample ID: 0112201**Lab Sample ID: 890-8172-12****Date Collected: 05/16/25 00:00****Matrix: Water****Date Received: 05/16/25 16:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	110405	05/19/25 13:24	MNR	EET MID

Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
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
5030B	Purge and Trap	SW846	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Younger Junction

Job ID: 890-8172-1
SDG: Loco Hills NM

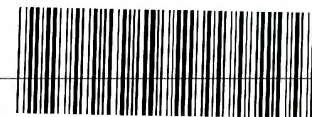
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8172-1	BS-2A 4	Solid	05/16/25 13:00	05/16/25 16:00	4FT
890-8172-2	BS-2B-4	Solid	05/16/25 13:05	05/16/25 16:00	4FT
890-8172-3	BS-2C-4	Solid	05/16/25 13:20	05/16/25 16:00	4FT
890-8172-4	BS-2D-4	Solid	05/16/25 13:15	05/16/25 16:00	4FT
890-8172-5	BS-1A-4	Solid	05/16/25 13:25	05/16/25 16:00	4FT
890-8172-6	BS-1B-4	Solid	05/16/25 13:30	05/16/25 16:00	4FT
890-8172-7	BF-1	Solid	05/16/25 13:30	05/16/25 16:00	4FT
890-8172-8	DUP-2	Solid	05/16/25 13:00	05/16/25 16:00	4FT
890-8172-11	10907	Water	05/16/25 00:00	05/16/25 16:00	
890-8172-12	0112201	Water	05/16/25 00:00	05/16/25 16:00	



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
Little Rock, AR (501) 224-5060



890-8172 Chain of Custody

ГЛУБ

[illegible]

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Carlsbad

1089 N Canal St.

Carlsbad, NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-8172-1

SDG Number: Loco Hills NM

Login Number: 8172**List Number: 1****Creator: Lopez, Abraham****List Source: Eurofins Carlsbad**

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	

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-8172-1

SDG Number: Loco Hills NM

Login Number: 8172**List Number: 2****Creator: Laing, Edmundo****List Source: Eurofins Midland****List Creation: 05/19/25 09:36 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Analytical Data Review Checklist

Site: Holly Younger Junction Location: Loco Hills, NM Client Name: HF SinclairMidstream Project #: 650142		Laboratory: Eurofins Environment Testing, Midland, TX Lab Report #: 890-8172-1 (Revision 1) Reviewer: Nancy Bergstrom Peer Reviewer: Elizabeth Denly Review Date: 6/10/2025	
Analytical Method(s): -Total Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) with Benzene, Toluene, Ethylbenzene, m,p-Xylenes, o-Xylene, and Xylenes, Total by SW-846 Method 8021B -Total Petroleum Hydrocarbons (TPH) with Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Oil Range Organics (ORO) by SW-846 Method 8015B NM -Chloride by EPA Method 300.0	Matrices Sampled: Soil and 2 aqueous QC samples	Sample Collection Date(s): 5/16/2025	
Sampling Objective(s): Release Response Investigation			
Sample IDs (List IDs or attach COC): BS-2A-4, BS-2B-4, BS-2C-4, BS-2D-4, BS-1A-4, BS-1B-4, BF-1, DUP-2, 10907, 0112201			

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
Chain-of-Custody and Data Completeness					
1	Was COC appropriately completed?	X			
2	Did the laboratory report correct sample IDs?		X		The laboratory logged in the sample ID for BS-2A-4 as BS-2A 4.
3	Do the laboratory reported sample collection dates and times agree with the COC forms?	X			
4	Are results reported for all analytical methods requested?	X			



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
5	Are results reported for all samples submitted for analysis?	X			
6	Were the requested analytical methods used?	X			
7	Are results reported for all target analytes, but no additional analytes?	X			
8	SOIL/SEDIMENT ONLY: Were soil/sediment results reported on a dry weight basis?		X		The laboratory did not report the results of the soil samples on a dry weight basis. 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?		X		Results were reported by the laboratory to the reporting limit (RL).
10	Did we receive the required deliverables (e.g., EDD, Level 4 data, laboratory certification, etc.) in the correct formats?	X			
Sample Preservation					
11a	Did samples arrive at the laboratory appropriately preserved?	X			
11b	Was the cooler temperature between 0-6°C?	X			
11c	Was acid used for preservation when required (e.g., aqueous VOC and metals samples)?	X			
11d	SOIL/SEDIMENT ONLY: Were soil/sediment VOC samples preserved in the field or collected in EnCore® samplers?		X		All samples were received and analyzed by the laboratory from unpreserved bulk soil jars. New Mexico allows for collection of VOC soil samples in unpreserved bulk soil jars.
12	Were samples received by the laboratory in an acceptable condition (i.e., no breakages, leaks, etc.)?	X			
13	Were any issues noted by the laboratory upon receipt?		X		
14a	AIR ONLY: Were canisters received with an acceptable vacuum?			X	



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
14b	AIR ONLY: Were the RPDs between the initial and final canister flow controller calibrations <20?			X	
Holding Times					
15	Were sample preparation and analysis holding time requirements met?	X			
Reporting Limits					
16	Do the reporting limits meet the project specifications (e.g., QAPP or Work Plan)?	X			
17	Were dilutions performed? If so, note sample(s) and parameters(s) affected and the dilution factor(s).	X			Chloride: BS-1B-4 (5x)
18	Did the laboratory provide an adequate explanation as to why dilutions were performed?		X		No explanation was provided for the sample dilution.
QC Results					
Blanks^b					
19	Were target analytes detected in the method blanks? If yes, list contaminants, concentrations detected and associated samples.		X		
20	Does each analytical or preparation batch have its own method blank?	X			
21	Were any target analytes detected in the field blank(s) (e.g., trip blanks, equipment blanks)? If yes, list contaminants, concentrations detected and associated samples (or attach field blank results).		X		Trip Blank samples 10907 and 0112201 were submitted with this data set for BTEX analysis.
22	Are there any potential false positive results based on questions 19 and/or 21?		X		
Laboratory Control Spikes^c					



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
23	Are LCS/LCSD recoveries within QC limits? If no, list analytes affected, the LCS/LCSD recoveries, and the affected samples.	X			
24	Does each analytical or preparation batch have its own LCS?	X			ORO is not analyzed for the 8015B NM LCS/LCSD.
25	Are LCS/LCSD RPDs within QC limits? If no, list analytes affected, the RPDs, and the affected samples.	X			
Matrix Spikes^c Note: If not performed on a project sample, evaluation is not required.					
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/MSD analyses were performed on the following samples from this data set: -BS-2A-4 for BTEX -BS-2B-4 for chloride The MSD percent recovery (%R) for chloride (111%) was above the laboratory control limits (90-110%). The positive results for chloride in all soil samples in this data set may be considered estimated (J+) with a potential high bias.
27	Are MS/MSD RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was spiked.	X			
Surrogates^c					
28	ORGANIC ANALYSES ONLY: Are surrogate recoveries within QC limits? If no, list samples, surrogate recoveries and analytes affected.	X			
Duplicates^c Note: If not performed on a project sample, evaluation is not required.					
29	Are laboratory duplicate RPDs within QC limits? If no, list analytes affected, the RPDs and the sample that was prepared/analyzed in duplicate.			X	Laboratory duplicate analyses were not performed on a sample from this data set.



Analytical Data Review Checklist

Review Item or Question		Y	N	NA	Comments ^a (please add comment for each item with a checked shaded box)
30	Were field duplicate criteria met? Refer to RPD and/or Tips tabs for typical criteria. If no, list analytes affected, the RPD and/or absolute difference (as applicable), and the associated samples.	X			The following samples were submitted as the field duplicate pair with this sample set: BS-2A-4 and DUP-2 RPD criteria were met for the detected analyte (chloride).
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.		X		
33	Do any results look questionable? If yes, ASK THE LAB.		X		
34	Has the EDD been compared to the lab report?	X			
Additional Comments: The laboratory report was revised to provide the COC between the Carlsbad, NM and Midland, TX facilities.					

Notes:

After data tables are created, check that reporting limits are below the project action levels (e.g., screening criteria, remediation standards, etc.) and compare data with historical results, if applicable. List any findings from this evaluation, when applicable, in the Additional Comments box above.

- a Comments generally need to be addressed in the TRC deliverable presenting the laboratory data, but this will be dependent on project requirements.
- b Check if local or regional criteria for blank assessments are available; these will supersede criteria in this checklist.
- c Use QC limits in QAPP, if available. If not, use QC limits provided by laboratory in data package.



Analytical Data Review Checklist

Review Item or Question	Y	N	NA	Comments^a (please add comment for each item with a checked shaded box)
-------------------------	---	---	----	--

The EPA Superfund Contract Laboratory Program (CLP) National Functional Guidelines (NFGs) for Data Review (November, 2020) or most recent version found here:

<https://www.epa.gov/clp/superfund-clp-national-functional-guidelines-data-review>

are typically used for data review guidelines when other project or state/regulatory data review guidance is not available. Project and state/regulatory data review guidance should be used and cited when applicable.

Abbreviations:

BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
COC	Chain-of-Custody
DRO	Diesel Range Organics
EDD	Electronic Data Deliverable
GRO	Gasoline Range Organics
LCS/LCSD	Laboratory Control Sample / Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike / Matrix Spike Duplicate
ORO	Oil Range Organics
QAPP	Quality Assurance Project Plan
QC	Quality Control
RPD	Relative Percent Difference
TPH	Total Petroleum Hydrocarbons
VOC	Volatile Organic Compound



Appendix E: Waste Manifests



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113641
05/12/25 04:19 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 401
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113636
05/12/25 12:42 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 401
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

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Other (Provide Description Below)

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Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Truck #401

Signature: 

Printed Name: Lat Morrow

Date: 5-12-25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: 

Printed Name: Kimberly Murphy

Date: 5-12-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113639
05/12/25 03:36 PM

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 218
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113635
05/12/25 12:16 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 218
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

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(Gandy Marley, Inc. accepts certifications on a per month only basis.)☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety.
(The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

GANDY
CORP
TRUCKER

Signature: Rudy Sanchez

Printed Name: Rudy Sanchez

Date: 5-12-25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly Pugh

Printed Name: Kimberly Pugh

Date: 5-12-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113638
05/12/25 02:54 PM

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575) 347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 402
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
(Gandy Marley, Inc. accepts certifications on a per month only basis.)☐ RCRA NON-EXEMPT:

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety.
(The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Gandy Corporation

Signature: Marcos E. Mendoza

Printed Name: Marcos Efren Mendoza

Date: 05/12/25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: _____

Printed Name: _____

Date: _____

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Gandy Corporation

Truck # 402

Signature: Marcos E. Mendoza

Printed Name: Marcos Efran Mendoza

Date: 05/12/25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly Murphy

Printed Name: Kimberly Murphy

Date: 5-12-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113637
05/12/25 01:17 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 223
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

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- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis
- Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113642
05/12/25 04:23 PM

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 223
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

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Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: Terry Anthony

Printed Name: Terry Anthony

Date: 5/12/25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly Murphy

Printed Name: Kimberly Murphy

Date: 5-12-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113717
05/16/25 01:51 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 222
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

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Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113700
05/16/25 10:40 AM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 222
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

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Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oiled waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

593250

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: Sergio FierroPrinted Name: Sergio FierroDate: 5-16-2025DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly MurphyPrinted Name: Kimberly MurphyDate: 5-16-25DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: Levy Serrano

Printed Name: Levy Serrano

Date: 5-16-25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly Murphy

Printed Name: Kimberly Murphy

Date: 5-16-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan

Load 1:38pm KM



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number **300434**
113699
05/16/25 10:30 AM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 223
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
(Gandy Marley, Inc. accepts certifications on a per month only basis.)☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety.
(The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113716
05/16/25 01:38 PM

300434

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 223
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFESTSHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: Garvid Sanchez

Printed Name: Garvid Sanchez

Date: 5-16-25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly Murphy

Printed Name: Kimberly Murphy

Date: 5-16-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113715
05/16/25 01:22 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 401
Phone No.:

I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
(Gandy Marley, Inc. accepts certifications on a per month only basis.)☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety.
(The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113698
05/16/25 10:14 AM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 401
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
(Gandy Marley, Inc. accepts certifications on a per month only basis.)☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety.
(The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113696
05/16/25 09:51 AM

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 402
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113713
05/16/25 12:59 PM

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 402
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

300204

①

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: Kenneth DyePrinted Name: Kenneth DyeDate: 5-16-25DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: Kimberly MurphyPrinted Name: Kimberly MurphyDate: 5-16-25DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Truck #402

Signature: *Juan Dominguez*

Printed Name: *Juan Dominguez*

Date: *5-21-25*

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: *Kimberly Murphy*

Printed Name: *Kimberly Murphy*

Date: *5-21-25*

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113770
05/21/25 02:58 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 402
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFESTSHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: _____

Printed Name: _____

Date: _____

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: _____

Printed Name: _____

Date: _____

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Truck # 222

Signature: [Signature]

Printed Name: Santos Pagan

Date: 5-21-25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: [Signature]

Printed Name: Kimberly Murphy

Date: 5-21-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113769
05/21/25 02:55 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 222
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFEST

SHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Truck #401

Signature: *[Signature]*

Printed Name: Rafael Hernandez

Date: 5-21-2025

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: *[Signature]*

Printed Name: Kimberly Murphy

Date: 5-21-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113771
05/21/25 03:00 PM**GENERATOR**Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 401
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

TRANSPORTER'S MANIFESTSHIPPERS NAME AND ADDRESS:

Holly Energy Partners - Operating, L.P.
1602 W. Main Street
Artesia, NM 88210

LOCATION OF MATERIAL/SITE:

Younger Junction Release
Eddy County, NM
NMOCD Incident No. nAPP2501352512
Latitude 32.816957, Longitude -103.990719

TRANSPORTERS NAME AND ADDRESS:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

DESCRIPTION OF WASTE:

E&P EXEMPT SOIL: 20 cubic yards

FACILITY CONTACT:

Paul Richardson
Holly Energy Partners - Operating, L.P.
3333 Southwest Blvd
Tulsa, OK 74107

Signature: _____

Date: _____

TRANSPORTER INFORMATION:

Gandy Marley, Inc.
PO Box 1658
Roswell, NM 88202

Signature: 

Printed Name: Gabriel Saarez

Date: 5-21-25

DISPOSAL SITE:

Gandy Marley, Inc.
Near Caprock, NM

Signature: 

Printed Name: Kimberly Murphy

Date: 5-22-25

DIRECT BILL:

Holly Energy Partners - Operating, L.P. care of Melanie Nolan



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
113773
05/22/25 09:56 AM

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:Driver Name:
Truck Number: 222
Phone No.:

I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

GENERATOR

Generator: HOLLY ENERGY
Generator Contact:
UNKNOWN
UNKNOWN, NM 88888-8888
Phone No.:

Lease: YOUNGER JUNCTION RELEASE
Location: YOUNGER JUNCTION
RELEASE
Job Contact: MELANIE NOLAN
Phone Number: (000)000-0000
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435

NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: GANDY CORP
Address:
Phone No.:

Driver Name:
Truck Number: 402
Phone No.:

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

Driver Signature

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ RCRA Exempt:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste.
(Gandy Marley, Inc. accepts certifications on a per month only basis.)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety.
(The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 473726

QUESTIONS

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2501352512
Incident Name	NAPP2501352512 YOUNGER JUNCTION @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	YOUNGER JUNCTION
Date Release Discovered	01/13/2025
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Human Error Pipeline (Any) Crude Oil Released: 33 BBL Recovered: 30 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 473726

QUESTIONS (continued)

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	All free liquids have been recovered. Contaminated soils are being removed and placed in a bermed plastic lined area for disposal upon approval at NM permitted disposal facility.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Melanie Nolan Title: Environmental Specialist Email: melanie.nolan@hfsinclair.com Date: 06/12/2025
--	---

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QUESTIONS, Page 3

Action 473726

QUESTIONS (continued)

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2150
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	530
GRO+DRO (EPA SW-846 Method 8015M)	530
BTEX (EPA SW-846 Method 8021B or 8260B)	0.9
Benzene (EPA SW-846 Method 8021B or 8260B)	12.2
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/15/2025
On what date will (or did) the final sampling or liner inspection occur	05/16/2025
On what date will (or was) the remediation complete(d)	05/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	1600
What is the estimated volume (in cubic yards) that will be reclaimed	420
What is the estimated surface area (in square feet) that will be remediated	1600
What is the estimated volume (in cubic yards) that will be remediated	420
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Oil Conservation Division
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QUESTIONS, Page 4

Action 473726

QUESTIONS (continued)

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Melanie Nolan Title: Environmental Specialist Email: melanie.nolan@hfsinclair.com Date: 06/12/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 5

Action 473726

QUESTIONS (continued)

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 473726

QUESTIONS (continued)

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	451177
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/15/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	2000

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	1600
What was the total volume (cubic yards) remediated	420
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1600
What was the total volume (in cubic yards) reclaimed	420
Summarize any additional remediation activities not included by answers (above)	Remediation and reclamation activities recorded above and documented in the report.
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Melanie Nolan Title: Environmental Specialist Email: melanie.nolan@hfsinclair.com Date: 06/12/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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QUESTIONS, Page 7

Action 473726

QUESTIONS (continued)

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 473726

CONDITIONS

Operator: HOLLY ENERGY PARTNERS - OPERATING, LP 1602 W. Main St. Artesia, NM 88210	OGRID: 282505
	Action Number: 473726
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/31/2025