



Remediation Summary and Site Closure Request

May 26, 2022

Battle Axe Water Well

NMOCD Reference Number:
nAPP2120869635

Prepared For:

ConocoPhillips, LLC.
600 W Illinois Avenue
Midland, TX 79701

Prepared By:

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Prepared by:
Tania Babu
Staff Geologist

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Reviewed and Approved by:
Jared E. Stoffel, PG
Project Manager

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1.0 Introduction and Background Information

TRC Environmental Corporation (TRC), on behalf of ConocoPhillips, LLC (COP), has prepared this *Remediation Summary and Site Closure Request* for the Release Site known as the Battle Axe Water Well (the Site). The legal description of the Site is Unit Letter "B", Section 35, Township 24 South, Range 34 East, in Lea County, New Mexico. The subject property is owned by a private landowner, Quail Ranch, LLC. The GPS coordinates for the Site are N 32.177820° W -103.440667°. Figure 1 depicts the site location.

On July 26, 2021, COP discovered an inactive water well releasing fluid due to artesian pressure. Released fluids traveled south from the release point and impacted the adjacent pastureland and along the side of Battle Axe Road. Approximately 150 barrels (bbls) of brackish water was released and 130 bbls were recovered from the pad and adjacent pastureland. An additional 200 bbls were released and recovered within 24-hours of the initial discovery. The additional released fluids were transferred directly into a containment tank and transported for disposal. The New Mexico Office of the State Engineer (NMOSE) directed COP to not take action to plug nor cap the well until the NMOSE has completed an evaluation.

On discovery date, COP verbally notified the New Mexico Oil and Conservation Division (NMOCD) of the Release. The Release was assigned an NMOCD Reference number of nAPP2120869635. On July 27, 2021, the initial Release Notification and Corrective Action (Form C-141) was submitted to the NMOCD. The Form C-141 indicated a total volume of 330 bbls of brackish water was released. Approximately 330 bbls of brackish water was recovered during initial response activities. The Release affected an area measuring approximately 40 by 40 feet (ft) west of the water well and 240 by 3 ft along the side of Battle Axe Road. A copy of the submitted Form C-141 for the Release is provided in **Appendix B**.

A groundwater database maintained by NMOSE identified one (1) registered water wells in Section 35, Township 24 South, Range 34 East. The NMOSE database indicated the reported depth to groundwater was approximately 222 ft below ground surface (bgs). No surface water was observed within one thousand (1,000) ft of the Release. An aerial map of the Site location is provided as **Figure 2**.

Based on the NMOCD ranking criteria, the NMOCD regulatory guidelines for the Battle Axe Release Site are as follows:

- Benzene – 10 mg/kg
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) – 50 mg/kg
- Total Petroleum Hydrocarbons (TPH) –100 mg/kg
- Chloride – 600 mg/kg



2.0 NMOCD Approved Workplan

On October 12, 2021, a remediation workplan was submitted to the New Mexico Oil Conservation Division (NMOCD) by WSP USA, Inc. (WSP), on behalf of COP. Depth to groundwater at the Site is estimated to be greater than 100 ft bgs based on the nearest groundwater well data. The nearest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321025103263601, located approximately 530 feet northwest of the Site. The most recent depth to groundwater measurement indicates groundwater is 224 feet bgs. The Site is within a low karst classified area. The most stringent closure criteria were utilized based on the proximity of the USGS well 321025103263601.

In the approved remediation workplan consisted of:

- Excavation of soil exhibiting chloride concentrations above NMOCD closure criteria in the release footprint ranging from a depth of one (1) ft to sixteen (16) ft bgs.
- Following excavation soil above NMOCD closure criteria, five-point composite confirmation samples would be collected from the sidewalls and floor of the excavation, each representative of no more than 200 square feet.
- Collected samples would be submitted to the laboratory for TPH analysis by Method SW 846 8015 modified, BTEX by Method SW 846 8021B, and chloride by EPA Method 300.0.
- Excavation activities would continue until the final excavation extent confirms compliance with the most stringent closure criteria.
- Due to close proximity of the release to the high traffic road, COP would stay a minimum of ten (10) ft from the pavement to protect workers and reduce the likelihood of compromising the foundation of the road.
- Excavated soil would be disposed of at a licensed disposal facility.
- Once excavation activities are complete, the excavation would be backfilled with material purchased locally and recontoured to match pre-existing site conditions.
- The disturbed pasture would be re-seeded with an approved BLM seed mixture.

The NMOCD approved the workplan with no additional stipulations. The approved workplan is provided as Appendix A. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B.



3.0 Summary of Soil Remediation Activities

On February 15, 2022, soil remediation activities commenced at the Site. An onsite geologist field screened for chloride concentrations to guide the excavation activities, both laterally and vertically, in the areas not delineated by the soil borings. The Release footprint, as indicated by NMOCD approved workplan, was excavated to a depth of approximately six (6) ft to twenty-one (21) ft bgs based on delineation data from the NMOCD approved workplan and supplemental chloride field screen data collected during excavation. The footprint was laterally extended until chloride field screen results indicated soils were below NMOCD closure criteria. Figure 5 depicts the excavation footprint and the associated soil sample locations. All soil was staged on polyvinyl sheeting adjacent to the excavation until it was transported to the Northern Delaware Basin Landfill facility in Jal, New Mexico.

Confirmation soil samples were collected from the sidewalls and floor of the excavation on a one five-point composite soil sample per 200 square foot basis. Each soil sample was submitted to Xenco Eurofins in Midland, TX for TPH analysis by Method 8015M, BTEX analysis by EPA 8021B, and chloride analysis by Method 300.0.

Confirmation soil samples CS-1 @ 6', CS-2 @ 7', CS-3 @ 8', CS-4 @ 10', CS-5 @ 16', CS-6 @ 18', CS-7 @ 18', CS-8 @ 16', CS-9 @ 6', CS-10 @ 18', CS-11 @ 21', CS-12 @ 16', CS-13 @ 16', CS-14 @ 14.5', CS-14a @ 14.5', CS-15 @ 14.5', CS-16 @ 14.5', CS-17 @ 14', CS-18 @ 16', CS-19 @ 16', CS-20 @ 16', CS-21 @ 16', CS-22 @ 16', CS-23 @ 14', CS-24 @ 14', CS-25 @ 14.5', CS-26 @ 12', CS-27 @ 12', CS-28 @ 9.5', CS-29 @ 9', CS-30 @ 8', CS-31 @ 8', CS-32 @ 8', CS-33 @ 8', CS-34 @ 8', CS-35 @ 8', CS-36 @ 8', CS-37 @ 8', CS-38 @ 6', CS-39 @ 6' were collected from the base of the excavation. The lateral extent of the excavation was documented by the collection of sidewall soil samples CS-SW-1 through CS-SW-24.

The analytical results indicated each soil sample exhibited TPH and BTEX concentrations below NMOCD regulatory guidelines. Each soil sample with the exception of floor confirmation soil samples CS-14 @ 14.5' and sidewall soil confirmation samples CS-SW-8 @ 2' exhibited chloride concentrations below NMOCD closure criteria. CS-14 @ 14.5' exhibited a chloride concentration equal to the closure criteria. Due to the uncertainty if a concentration equal to the closure criteria was acceptable to the agency, a second five-point composite soil sample representative of the area was collected (CS-14a @ 14.5'). The soil sample exhibited a chloride concentration below NMOCD closure criteria, and no additional excavation was required. Sidewall sample CS-SW-8 @ 2' exhibited chloride concentrations above NMOCD closure criteria and was excavated laterally to remove the associated soils. Confirmation soil sample CS-SW-8a @ 2' was collected from the new sidewall location and submitted for chloride analysis. CS-SW-8a @ 2' exhibited a chloride concentration below NMOCD regulatory guidelines. The analytical results indicate each submitted soil sample remaining in-situ exhibited concentrations below NMOCD regulatory requirements. Analytical results are summarized in Table 1.

After review of all the analytical results, the excavation was backfilled to grade with NMOCD approved backfill material. The site was contoured and compacted to meet COP requirements. All excavated soils were transported offsite to the Northern Delaware Basin Landfill facility in Jal,



New Mexico. Approximately 5,500 cubic yards of material was transported to the offsite disposal. Photographic documentation of the remediation activities are provided as Appendix C. Laboratory analytical packets are provided as Appendix D.

4.0 Site Closure Request

Remediation activities were conducted in accordance with NMCOD regulatory guidelines. Laboratory analytical results from excavation confirmation soil samples indicated chloride concentrations were below the NMOCD regulatory guidelines in the submitted confirmation soil and sidewall samples associated with soils that have remained in-situ. The excavated soil was transported to the Northern Delaware Basin Landfill facility and the Site was returned to grade with locally sourced non-impacted backfill material. Based on laboratory analytical results and field activities conducted to date, TRC recommends COG provide copies of this Remediation Summary and Site Closure Request to the NMOCD and request closure status to the Battle Axe Release Site.

5.0 Limitation

TRC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of ConocoPhillips, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or ConocoPhillips, LLC.

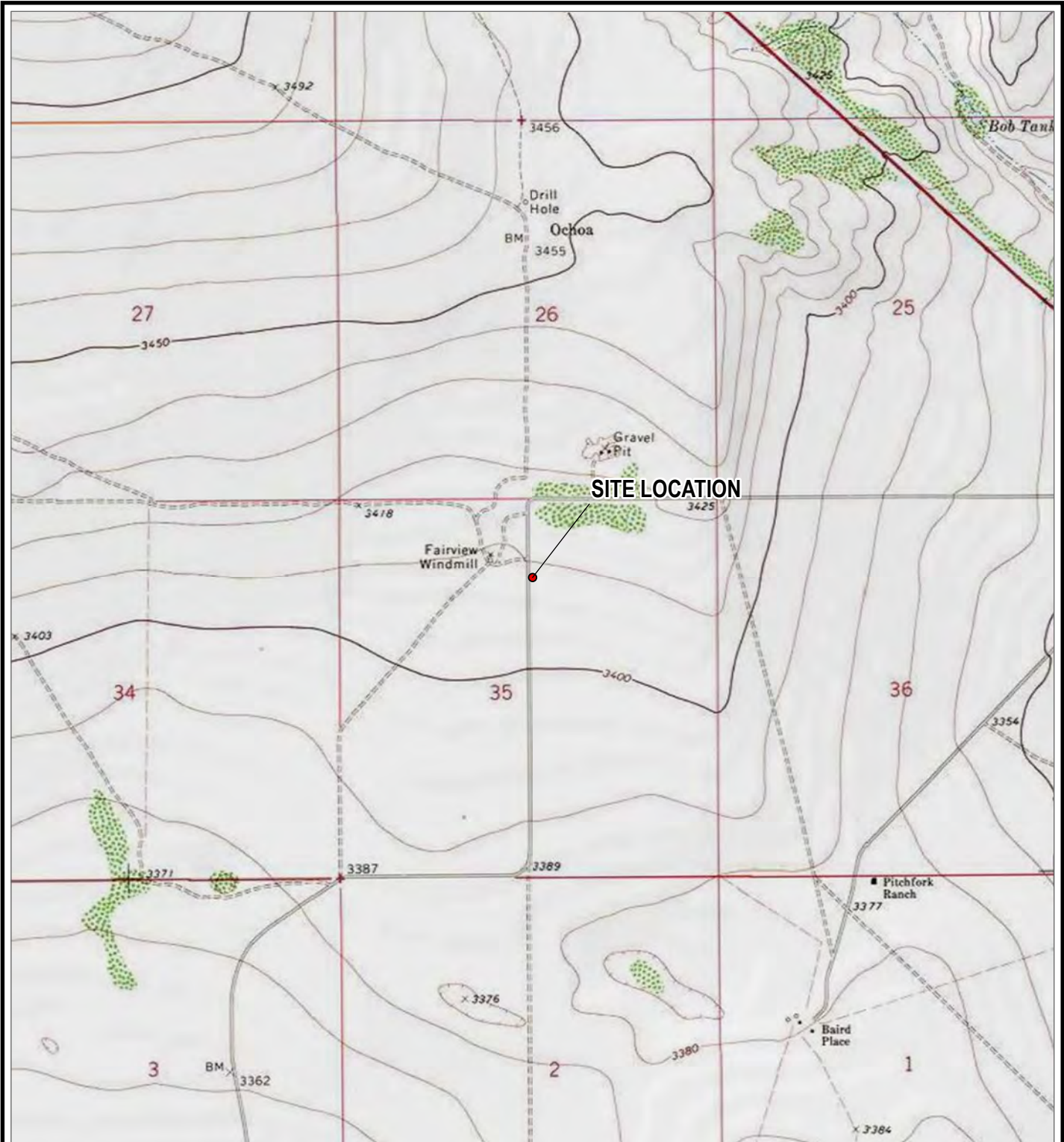
6.0 Distribution

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

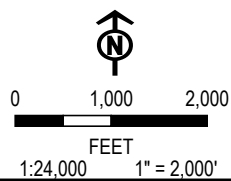
Copy 2: Ike Tavaréz
ConocoPhillips, LLC
600 W. Illinois Avenue
Midland, Texas 79701



Copy 3: TRC Environmental Corporation
10 Desta Dr STE 130E



● SITE LOCATION



PROJECT: CONOCOPHILLIPS
BATTLE AXE WATER WELL
LEA COUNTY, NEW MEXICO

TITLE: SITE LOCATION MAP

DRAWN BY: S. RAY PROJ. NO.: 477135

CHECKED BY:

APPROVED BY:

DATE: MARCH 2022

FIGURE 1



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

FILE: BATTLEAXE

BASE MAP: USGS COLOR ORTHO IMAGERY
DATA SOURCES: TRC

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
- SAVED BY: S. RAY ON 3/15/2022, 13:45:22 PM; FILE PATH: V:\1-PROJECTS\CONOCOPHILLIPS\477135 BATTLEAXE\2-APPROX\BATTLEAXE.FIG1.LOC

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
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- LEGEND
- SITE LOCATION
 - ⊙ WATER WELL
 - 1/2 MILE RELEASE AREA RADIUS

BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC, HEP



1:8,400
1" = 700'
0 350 700 FEET

PROJECT: CONOCOPHILLIPS BATTLE AXE WATER WELL LEA COUNTY, NEW MEXICO	
TITLE: WELLHEAD PROTECTION AREA MAP	
DRAWN BY: S. RAY	PROJ. NO.: 477135
CHECKED BY:	FIGURE 2
APPROVED BY:	
DATE: APRIL 2022	
	
FILE:	BattleAxe.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet; Map Rotation: 0
-- Saved By: <ACP> Jcrahan <ACP> on 4/5/2022, 11:55:57 AM; File Path: T:\1-PROJECTS\ConocoPhillips\477135_BattleAxe\12-APRX\BattleAxe.aprx; Layout Name: BattleAxe_Fig3_Wetlands&FloodplainsMap



- LEGEND
- SITE LOCATION
 - ⊙ WATER WELL
 - 1/2 MILE RELEASE AREA RADIUS

NO WETLANDS OR FEMA FLOODPLAINS WERE LOCATED IN THIS AREA.

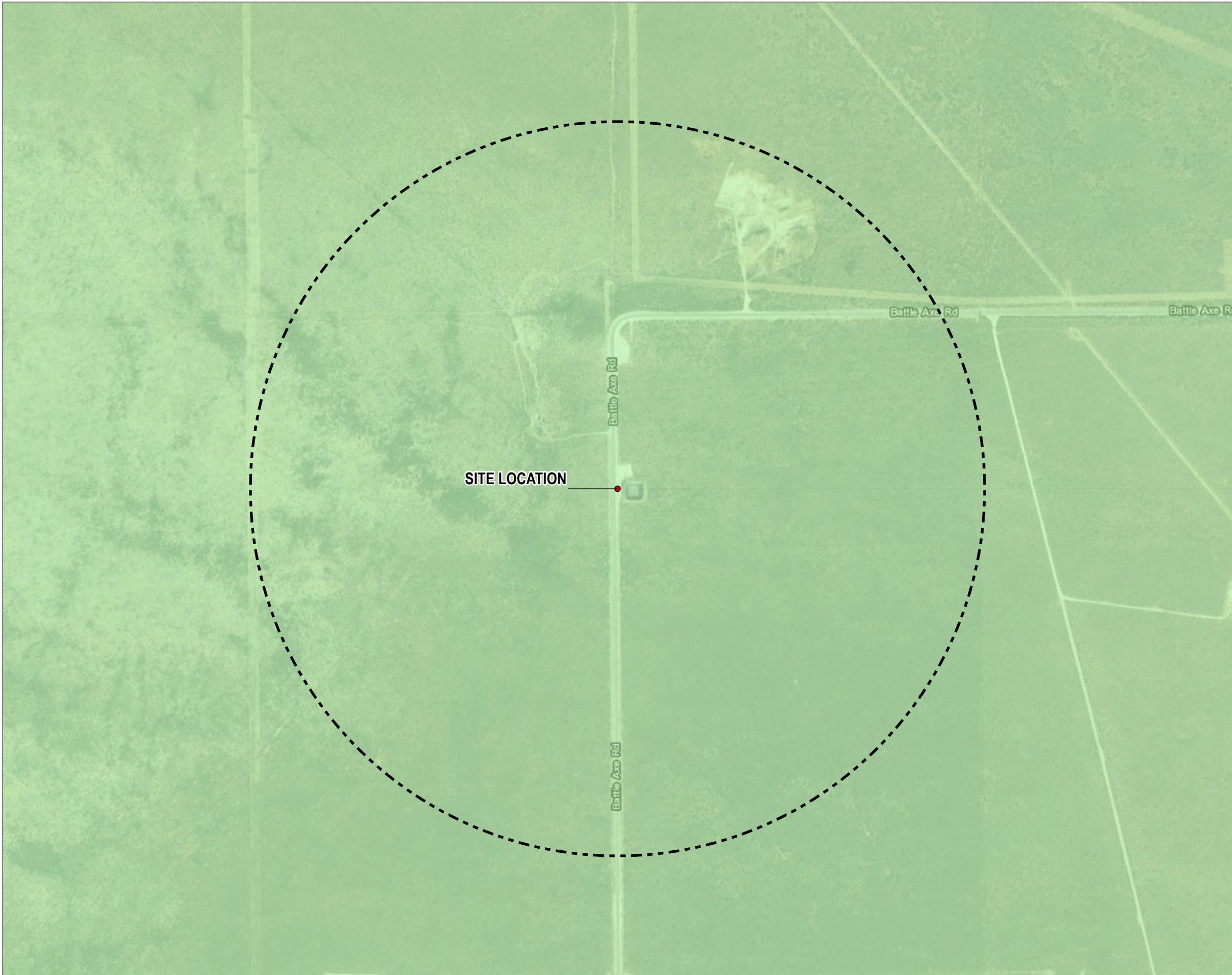
BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC, NWI



1:8,400
1" = 700'
0 350 700 FEET

PROJECT: CONOCOPHILLIPS BATTLE AXE WATER WELL LEA COUNTY, NEW MEXICO	
TITLE: WETLANDS AND FEMA FLOODPLAIN MAP	
DRAWN BY: S. RAY	PROJ. NO.: 477135
CHECKED BY:	FIGURE 3
APPROVED BY:	
DATE: APRIL 2022	
	
FILE:	BattleAxe.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet, Map Rotation: 0
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LEGEND

- SITE LOCATION
- 1/2 MILE RELEASE AREA RADIUS
- KARST POTENTIAL LEVEL
- LOW

BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC, NM BLM

1:8,400
1" = 700'

0

350

700

FEET

PROJECT:		CONOCOPHILLIPS BATTLE AXE WATER WELL LEA COUNTY, NEW MEXICO	
TITLE:		KARST POTENTIAL MAP	
DRAWN BY:	S. RAY	PROJ. NO.:	477135
CHECKED BY:		FIGURE 4	
APPROVED BY:			
DATE:	MARCH 2022		
		505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	BattleAxe.aprx		

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet, Map Rotation: 0
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- LEGEND
- SIDEWALL SAMPLE LOCATION
 - CONFIRMATION SAMPLE LOCATION
 - EXCAVATION FOOTPRINT

BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC



1:385

1" = 32'



PROJECT: CONOCOPHILLIPS BATTLE AXE WATER WELL LEA COUNTY, NEW MEXICO	
TITLE: EXCAVATION AND SAMPLE LOCATIONS MAP	
DRAWN BY: S. RAY	PROJ. NO.: 477135
CHECKED BY:	FIGURE 5
APPROVED BY:	
DATE: MARCH 2022	
	
FILE:	BattleAxe.aprx

COP Battle Axe

Table 1 - Confirmation Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)- C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	100	10	-	-	-	50	600
Floor Confirmation Soil Samples													
CS-1 @ 6'	6	2/25/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	18.5
CS-2 @ 7'	7	3/1/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	35.9
CS-3 @ 8'	8	3/1/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	5.97F1
CS-4 @ 10'	10	3/1/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	7.30
CS-5 @16'	16	2/22/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	237
CS-6 @18'	18	3/1/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	6.46
CS-7 @18'	18'	3/2/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	49.9F1
CS-8 @16'	16	2/22/22	In-Situ	<49.9	85	<49.9	85	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	52.5
CS-9 @ 6'	6	2/25/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.5
CS-10 @ 18'	18	3/2/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	64.7
CS-11 @ 21'	21	3/2/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	315
CS-12 @16'	16	2/22/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	59.0
CS-13 @16'	16	2/22/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	0.00359	0.00949	0.0131	452
CS-14 @ 14.5'	14.5	2/28/22	Re-sampled	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	600
CS-14a @ 14.5'	14.5	3/2/22	In-Situ	--	--	--	--	--	--	--	--	--	21.9
CS-15 @ 14.5'	14.5	2/28/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	527
CS-16 @ 14.5'	14.5	2/28/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	524
CS-17 @ 14'	14	3/1/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	264
CS-18 @16'	16	2/22/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	67.9
CS-19 @ 16'	16	3/1/22	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	39.3
CS-20 @ 16'	16	2/28/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	35.7
CS-21 @ 16'	16	2/28/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	91.9
CS-22 @ 16'	16	2/28/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	37.6
CS-23 @ 14	14	3/1/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	354
CS-24 @ 14	14	3/1/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	21.4
CS-25 @ 14.5	14	3/1/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	336
CS-26 @ 12'	12	2/25/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	74.1

Table 1 - Confirmation Sample Analytical Results

COP Battle Axe

Table 1 - Confirmation Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)- C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	100	10	-	-	-	50	600
CS-27 @ 12'	12	2/25/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	152
CS-28 @ 9.5'	9.5	2/28/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	289
CS-29 @ 9'	9	2/28/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	304
CS-30 @ 8'	8	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	74.9
CS-31 @ 8'	8	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	144
CS-32 @ 8'	8	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	30.5
CS-33 @ 8'	8	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	562
CS-34 @ 8'	8	3/10/22	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	88.8
CS-35 @ 8'	8	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	82.5
CS-36 @ 8'	8	3/10/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	165
CS-37 @ 8'	8	3/10/22	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	193
CS-38 @ 6'	6	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	203
CS-39 @ 6'	6	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	198
Sidewall Confirmation Soil Samples													
CS-SW-1 @2'	2	2/15/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	502
CS-SW-1 @ 6'	6	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	160
CS-SW-1 @ 10'	10	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00396	<0.00396	21.8
CS-SW-2 @2'	2	2/15/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	140
CS-SW-2 @ 6'	6	2/24/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	396
CS-SW-2 @ 10'	10	2/24/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	94.8
CS-SW-3 @2'	2	2/15/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	260
CS-SW-3 @6'	6	2/17/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	264
CS-SW-3 @10'	10	2/17/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<4.98
CS-SW-3 @14'	14	2/17/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.97
CS-SW-4 @2'	2	2/15/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	456
CS-SW-4 @6'	6	2/15/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	86.1
CS-SW-4 @10'	10	3/1/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	20.6
CS-SW-5 @2'	2	2/15/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	128

Table 1 - Confirmation Sample Analytical Results

COP Battle Axe
Table 1 - Confirmation Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)- C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	100	10	-	-	-	50	600
CS-SW-6 @2'	2	2/15/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	325
CS-SW-6 @6'	6	2/17/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	90.9
CS-SW-6 @10'	10	2/17/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	43.0
CS-SW-6 @14'	14	2/17/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	163
CS-SW-7 @2'	2	2/15/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	0.0107	0.0107	179
CS-SW-7 @6'	6	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	29.4
CS-SW-8 @2'	2	2/15/22	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	667
CS-SW-8a @2'	2	2/23/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	51.6
CS-SW-8 @ 6'	6	2/24/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	25.4
CS-SW-9 @2'	2	2/23/22	In-Situ	<49.9	86.2	<49.9	86.2	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	500
CS-SW-9 @ 6'	6	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	86.9
CS-SW-10 @2'	2	2/23/22	In-Situ	<49.9	59.8	<49.9	59.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	274
CS-SW-10 @6'	6	2/24/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	28.3
CS-SW-11 @ 2'	2	3/10/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00396	<0.00396	58.2
CS-SW-11 @ 6'	6	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.7
CS-SW-12 @11'	11	3/2/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	448
CS-SW-13 @10'	10	3/2/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	130
CS-SW-14 @14'	14	3/2/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	461
CS-SW-15 @15.5'	15.5	3/2/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	506
CS-SW-16 @16'	16	3/2/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	37.6
CS-SW-17 @12'	12	3/2/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	68.9
CS-SW-18 @13'	13	3/2/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	209
CS-SW-19 @ 2'	2	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	29.8
CS-SW-19 @ 6'	6	3/10/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	27.8
CS-SW-20 @ 2'	2	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	15.4
CS-SW-20 @ 4'	4	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	176
CS-SW-21 @ 2'	2	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	22.4

Table 1 - Confirmation Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)- C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-benzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	100	10	-	-	-	50	600
CS-SW-21 @ 4'	4	3/10/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	19.1
CS-SW-22 @ 2'	2	3/10/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	79.3
CS-SW-22 @ 4'	4	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	87.7
CS-SW-23 @ 2'	2	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	143
CS-SW-23 @ 6'	6	3/10/22	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	58.6
CS-SW-24 @ 2'	2	3/10/22	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	268
CS-SW-24 @ 6'	6	3/10/22	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	97.2

Definitions

X	Reported concentration, X, exceeds the NMOCD Standards
X	Analyte detected above the detection limit at a concentration equal to X
<x	Analyte not detected at detection limit equal to x.

Abbreviations

FT	Feet
mg/Kg	Milligrams per Kilogram
TPH	Total Petroleum Hydrocarbon
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
NMOCD	New Mexico Oil Conservation District



**Appendix A: NMOCD Approved Workplan – Analytical Appendix
Removed**



WSP USA
3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

October 12, 2021

District I
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240

**Re: Remediation Work Plan
Battle Ax Water Well C-03942-POD1 (32.178199, -103.440470)
Incident Number NAPP2120869635
Lea County, New Mexico**

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of ConocoPhillips Company (COP), presents the following Remediation Work Plan detailing remediation activities completed to date and proposed additional remedial actions to address the impacted soil resulting from a release at the Water Well C-03942-POD1 (Site). The Site (32.178199, -103.440470) is located in Unit B, Section 35, Township 24 South, Range 34 East, in Lea County, New Mexico (Figure 1).

RELEASE BACKGROUND

On July 26, 2021, an inactive water well was found to be releasing fluids due to artesian pressure, which resulted in the release of approximately 150 barrels (bbls) of fluid onto the ground surface. The release flowed into the adjacent pasture and along the side of Battle Ax Road covering an approximate 5,204 square-foot area. Approximately 130 bbls of free-standing fluid were recovered. Since the date of discovery, an additional 200 bbls of fluid were recovered from the actively flowing well bore and transferred directly into a containment tank, then transported for proper disposal. The release is no longer active. The New Mexico Office of the State Engineer (NMOSE) directed COP not to take any action to plug or cap the well until NMOSE has completed an evaluation.

COP reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on July 27, 2021. The release was assigned Incident Number NAPP2120869635.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. Although the release location is a



groundwater well, WSP is referencing the next nearest well to estimate depth to groundwater. The nearest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321025103263601, located approximately 530 feet northwest of the Site. The groundwater well has a depth to groundwater of approximately 224 feet bgs and an unknown total depth. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is an intermittent stream located approximately 1.48 miles southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is not within a 100-year floodplain or overlying a subsurface mine. The Site is not located within an area underlain by unstable geology (low potential karst designation area). The Site is located less than 1,000 feet to a freshwater well. The Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On July 28, 2021, WSP personnel inspected the Site to evaluate the release extent and collect preliminary assessment soil samples based on visual observations and information provided by COP personnel. WSP personnel collected four preliminary soil samples (SS01 through SS04) within the release extent from a depth of ground surface to 0.5 feet bgs. The release extent and preliminary soil sample locations were mapped using a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation of the release area is included as Attachment 2.

The preliminary soil samples were screened for volatile aromatic hydrocarbons and chloride using a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Each soil sample was placed directly into a pre-cleaned glass jars, labeled with location, date, time, sampler, and method of analysis, and immediately placed on ice. The samples were transported to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, at or



below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures for analysis of BTEX by United States Environmental Protection Agency (EPA) Method 8021B, TPH by EPA Method 8015M/D, and chloride by EPA Method 300.0.

Laboratory analytical results indicated benzene, BTEX, and TPH concentrations were compliant with the Closure Criteria in preliminary soil samples SS02 through SS04; TPH concentrations exceeded the Closure Criteria in preliminary soil sample SS01. Laboratory analytical results indicated chloride concentrations exceeded the Closure Criteria in preliminary soil samples SS01 through SS04. Visible surface staining was observed within the release extent. Based on the approximate unrecovered volume of fluid (20 bbls), visible staining, and laboratory analytical results for the preliminary soil samples, further site assessment activities were warranted.

DELINEATION SOIL SAMPLING ACTIVITIES

WSP personnel returned to the Site on August 16, 2021, to conduct a subsurface investigation. Potholes PH01 through PH06 were advanced via trackhoe within the release extent to delineate the vertical extent of impacted soil. The potholes were advanced to depths ranging from 1-foot to 16 feet bgs (the maximum reach of the trackhoe). Discrete delineation soil samples were collected from potholes PH01 through PH06 from depths ranging from 1-foot to 16 feet bgs. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Two delineation soil samples were submitted for laboratory analysis from each pothole; the sample with highest field screening result and the sample from the final depth of the pothole. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Attachment 3. Due to depth limitations of the trackhoe, a drill rig was scheduled to complete additional vertical delineation.

WSP personnel returned to the Site on September 8, 2021 to complete additional lateral and vertical delineation of impacted soil. Surface samples SS05 through SS10 were collected from a depth of ground surface to 0.5 feet bgs to confirm the lateral extent of the surface release along Battle Ax Road. Boreholes BH01 through BH05 were advanced via drill rig to a depth of 20 feet bgs within and around the release extent to complete delineation of the lateral and vertical extent of impacted soil. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 3. The delineation pothole and borehole soil samples were collected, handled, and analyzed as described above and submitted to Eurofins in Carlsbad, New Mexico. The delineation soil sample locations are depicted on Figure 3.

SOIL ANALYTICAL RESULTS

No benzene, BTEX, or TPH was detected in the majority of surface samples and delineation samples and only one soil sample exceeded NMOC Table 1 Closure Criteria for TPH (SS01).



Elevated chloride concentrations were detected in surface and subsurface samples collected within the release footprint. Lateral delineation soil samples collected from the surface and subsurface were compliant with the Closure Criteria. Additionally, the terminal sample in each pothole and borehole was below 600 mg/kg for chloride, except for pothole PH02. Vertical delineation at the pothole PH02 location was achieved with a sample collected from a depth of 20 feet from subsequent borehole BH01.

Based on the laboratory analytical results, the chloride impacted soil is delineated vertically to the most stringent Table 1 Closure Criteria and impacted soil does not exceed a depth of 16 feet bgs. The analytical results are summarized on Table 1 and laboratory analytical reports are included in Attachment 4.

PROPOSED REMEDIATION WORK PLAN

An estimated 3,285 cubic yards of chloride impacted soil is present within the subsurface at the Site. WSP and COP propose to excavate the impacted soil in the release area and along Battle Ax Road to depths ranging from 1-foot to 16 feet bgs. Excavation activities will proceed until the final excavation extent confirms compliance with the Site Closure Criteria. The impacted soil will be disposed of at a licensed disposal facility. The proposed excavation depths are depicted on Figure 4.

Impacted soil near Battle Ax Road will be removed to the maximum extent possible while maintaining compliance with COP safety policy. Due to the close proximity of the release to the high traffic road, COP will stay a minimum of 10 feet from the pavement to protect workers and reduce the likelihood of compromising the foundation of the road. If impacts encroach the road, COP will defer the road and request to leave impacts in place due to safety concerns.

Following removal of impacted soil, 5-point composite confirmation samples will be collected from the sidewalls and floor of the excavation. Sidewall samples will be collected when the excavation depth exceeds 1.5 feet bgs. The 5-point composite samples will be collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. The composite samples will represent a 200 square foot sampling area. The excavation soil samples will be collected and handled following the same procedures as described above and analyzed at Eurofins in Carlsbad, New Mexico. Once COP has confirmed all impacted soil has been successfully removed, the excavation will be backfilled with material purchase locally and recontoured to match pre-existing site conditions. The disturbed pasture will be re-seeded with an approved BLM seed mixture with landowner approval.

COP anticipates beginning remediation within 3 weeks of receipt of the approved remediation work plan. A final report requesting closure will be submitted within 2 weeks of receipt of final laboratory analytical results. The Form C-141 requesting approval of this work plan is included in Attachment 5.



District I
Page 5

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

A handwritten signature in black ink that reads 'Kalei Jennings'.

Kalei Jennings
Associate Consultant

A handwritten signature in black ink that reads 'Ashley L. Ager'.

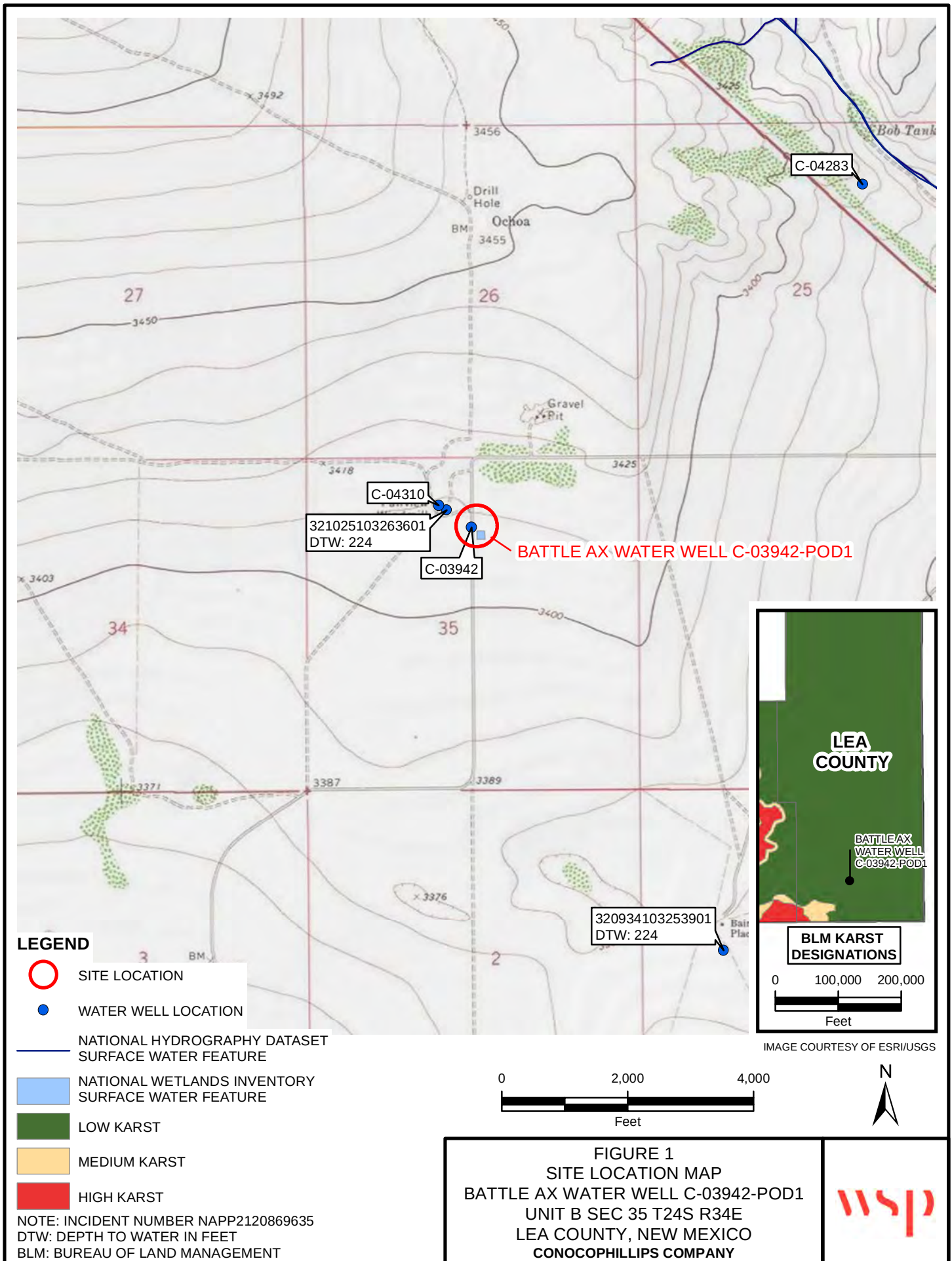
Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Ike Tavaréz, ConocoPhillips

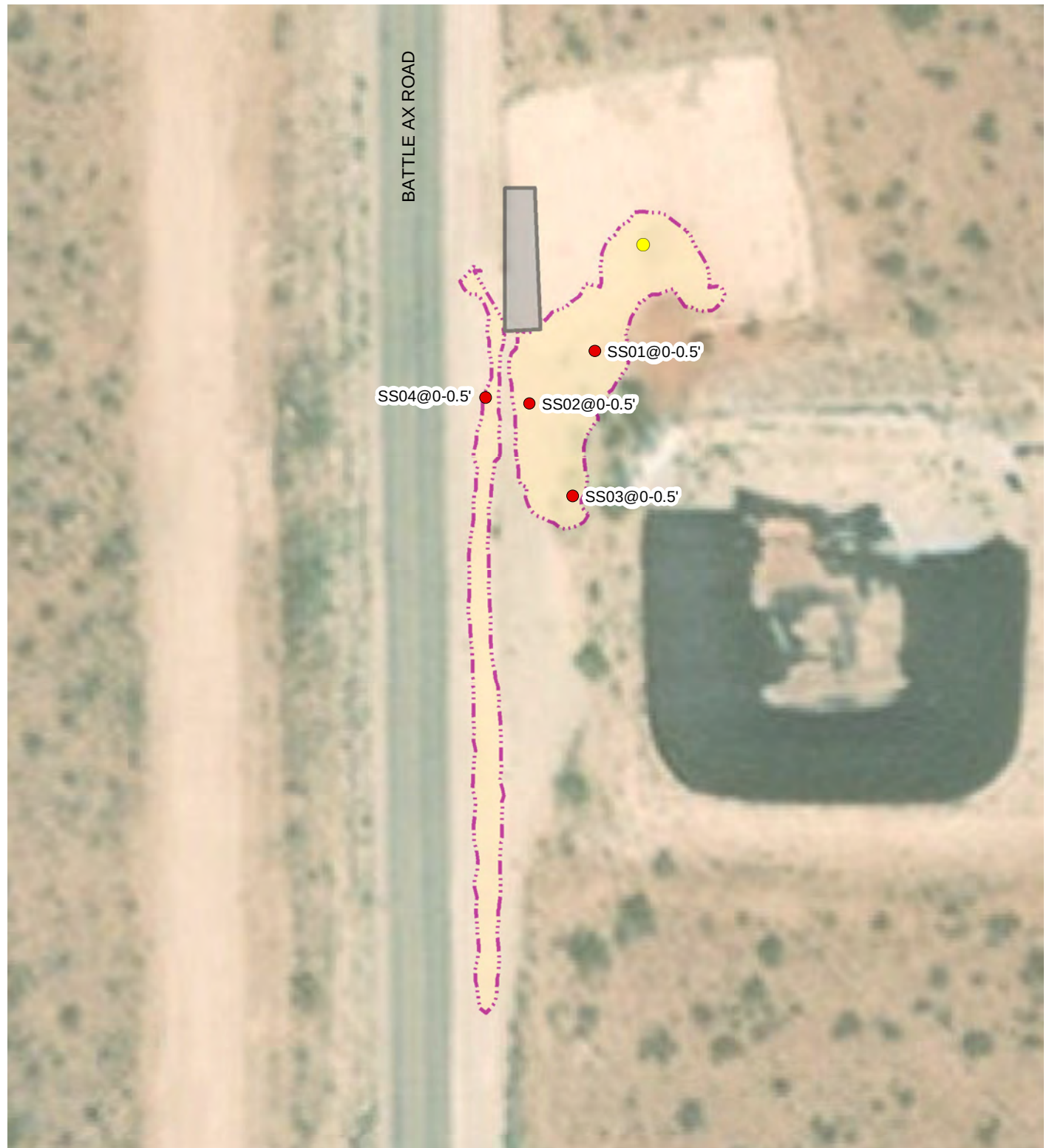
Attachments:

Figure 1 Site Location Map
Figure 2 Preliminary Soil Sample Locations
Figure 3 Delineation Soil Sample Locations
Figure 4 Proposed Excavation Depths
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Photographic Log
Attachment 3 Lithologic/Sampling Logs
Attachment 4 Laboratory Analytical Reports
Attachment 5 Form C-141

FIGURES



P:\Concho Operating\GIS\31402909.080_BATTLE AXE WATER WELL\MXD\31402909.080_FIG01_SL_RECEPTOR_2021.mxd

**LEGEND**

- WATER WELL RELEASE LOCATION
- PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- RELEASE EXTENT
- TEMPORARY FRAC TANK

NOTE: INCIDENT NUMBER NAPP2120869635
 SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

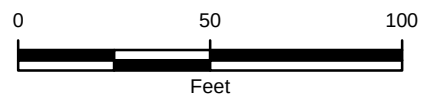
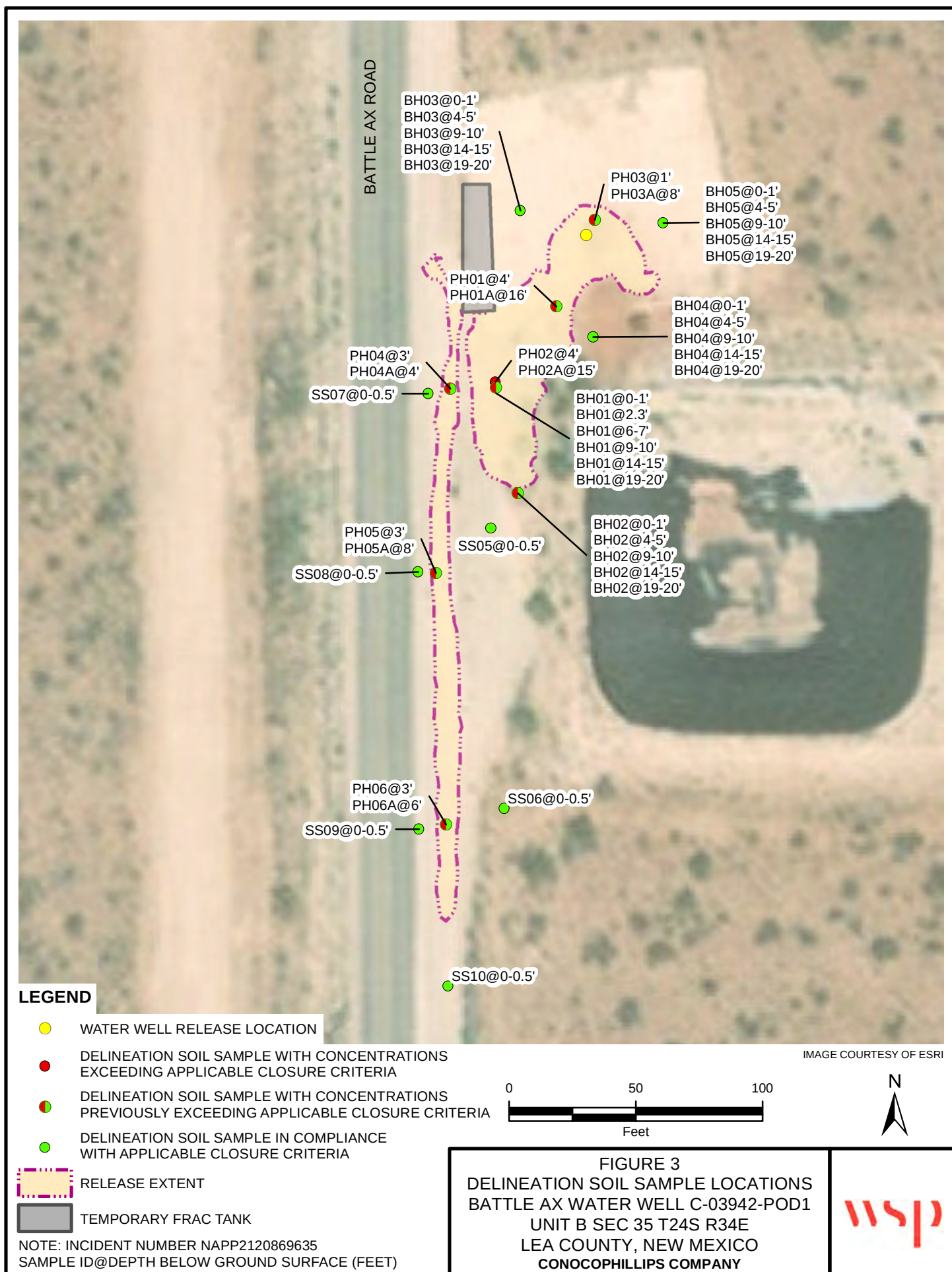
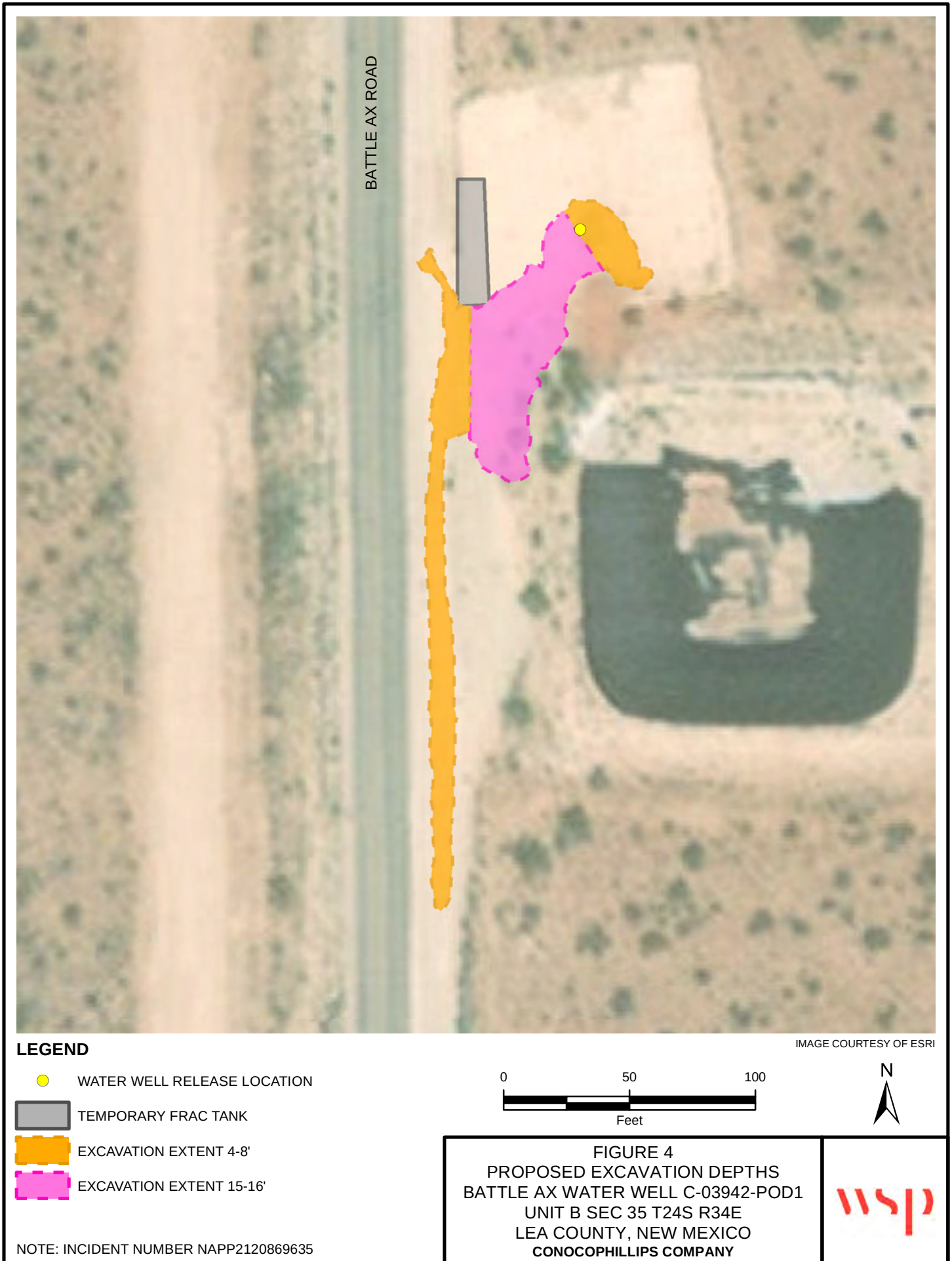


FIGURE 2
 PRELIMINARY SOIL SAMPLE LOCATIONS
 BATTLE AX WATER WELL C-03942-POD1
 UNIT B SEC 35 T24S R34E
 LEA COUNTY, NEW MEXICO
 CONOCOPHILLIPS COMPANY







TABLES

Table 1

Soil Analytical Results
Water Well C-03942-POD1
Incident Number NAPP2120869635
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Preliminary Soil Samples										
SS01	07/28/2021	0-0.5	0.00458	0.0179	<50.0	140	<50.0	140	140	23,800
SS02	07/28/2021	0-0.5	0.00322	0.0118	<250	<250	<250	<250	<250	33,300
SS03	07/28/2021	0-0.5	0.00201	0.00592	<50.0	<50.0	<50.0	<50.0	<50.0	29,900
SS04	07/28/2021	0-0.5	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	22,900
SS05	09/08/2021	0-0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	20.3
SS06	09/08/2021	0-0.5	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	13.2
SS07	09/08/2021	0-0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	39.7
SS08	09/08/2021	0-0.5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	20.6
SS09	09/08/2021	0-0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	22.1
SS10	09/08/2021	0-0.5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	12.9
Delineation Soil Samples										
PH01	08/16/2021	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10,044
PH01A	08/16/2021	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,916
PH01B	08/16/2021	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	16,100
PH01C	08/16/2021	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17,360
PH01D	08/16/2021	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7,240
PH01E	08/16/2021	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2,604
PH01F	08/16/2021	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,648
PH01G	08/16/2021	16	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	474
PH02	08/16/2021	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	21,670
PH02A	08/16/2021	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17,360
PH02B	08/16/2021	4	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	19,000
PH02C	08/16/2021	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13,020
PH02D	08/16/2021	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3,440

Table 1

Soil Analytical Results
Water Well C-03942-POD1
Incident Number NAPP2120869635
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
PH02E	08/16/2021	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4,444
PH02F	08/16/2021	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10,928
PH02G	08/16/2021	15	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	16,800
PH03	08/16/2021	1	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	16,700
PH03A	08/16/2021	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,916
PH03B	08/16/2021	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19,316
PH03C	08/16/2021	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,916
PH03D	08/16/2021	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,576
PH03E	08/16/2021	8	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	185
PH04	08/16/2021	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14,272
PH04A	08/16/2021	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	17,300
PH04B	08/16/2021	3	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	14,900
PH04C	08/16/2021	4	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	370
PH05	08/16/2021	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13,000
PH05A	08/16/2021	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15,704
PH05B	08/16/2021	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	20,100
PH05C	08/16/2021	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11,916
PH05D	08/16/2021	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	676
PH05E	08/16/2021	8	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	202
PH06	08/16/2021	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,680
PH06A	08/16/2021	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,680
PH06B	08/16/2021	3	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	19,700
PH06C	08/16/2021	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14,264
PH06D	08/16/2021	6	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	133

Table 1

Soil Analytical Results
Water Well C-03942-POD1
Incident Number NAPP2120869635
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
BH01	09/08/2021	0 - 1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	4,920
BH01	09/08/2021	2 - 3	<0.00200	<0.00400	<49.7	<49.7	<49.7	<49.7	<49.7	17,200
BH01	09/08/2021	6 - 7	<0.00200	<0.00399	<49.9	72.5	<49.9	72.5	72.5	5,890
BH01	09/08/2021	9 - 10	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	2,010
BH01	09/08/2021	14 - 15	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	221
BH01	09/08/2021	19 - 20	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	172
BH02	09/08/2021	0 - 1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	901
BH02	09/08/2021	4 - 5	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	748
BH02	09/08/2021	9 - 10	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	645
BH02	09/08/2021	14 - 15	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	20.7
BH02	09/08/2021	19 - 20	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	18.4
BH03	09/08/2021	0 - 1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	84.9
BH03	09/08/2021	4 - 5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	30.2
BH03	09/08/2021	9 - 10	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	18.3
BH03	09/08/2021	14 - 15	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	91.4
BH03	09/08/2021	19 - 20	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	91.8
BH04	09/08/2021	0 - 1	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	76.0
BH04	09/08/2021	4 - 5	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	19.2
BH04	09/08/2021	9 - 10	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	11.1
BH04	09/08/2021	14 - 15	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	15.4
BH04	09/08/2021	19 - 20	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	51.6
BH05	09/08/2021	0 - 1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	16.7
BH05	09/08/2021	4 - 5	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	38.5
BH05	09/08/2021	9 - 10	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	37.1
BH05	09/08/2021	14 - 15	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	29.7

WSP

Table 1

Soil Analytical Results
Water Well C-03942-POD1
Incident Number NAPP2120869635
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
BH05	09/08/2021	19 - 20	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	35.6

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

Text

field screening results only, no samples were submitted for laboratory analysis

ATTACHMENT 1: REFERENCED WELL RECORD



New Mexico Office of the State Engineer

Water Right Summary



WR File Number: C 03942 **Subbasin:** CUB **Cross Reference:** -
Primary Purpose: EXP EXPLORATION
Primary Status: PMT PERMIT
Total Acres: **Subfile:** - **Header:** -
Total Diversion: 0 **Cause/Case:** -
Agent: GREGORY ROCKHOUSE RANCH INC
Contact: MIKE STAPLETON LLC
Owner: BERT MADERA
Contact: MIKE STAPLETON LLC

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/	Acres	Diversion	Consumptive
			1	2		To			
585604	EXPL	2016-04-20	PMT	LOG	C 03942 POD1	T	0	0	

Current Points of Diversion

POD Number	Well Tag	Source	Q				(NAD83 UTM in meters)		Other Location Desc
			64Q16Q4	Sec	Tws	Rng	X	Y	
C 03942 POD1		Shallow	3	1	2	35 24S 34E	647005	3561246	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/7/21 8:59 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
C	03942 POD1	3	1	2	35	24S	34E	647005	3561246 

Driller License: 1737 **Driller Company:** SHADE TREE DRILLING

Driller Name: MULLINS, JUSTINIEL.NER

Drill Start Date: 05/12/2016 **Drill Finish Date:** 05/17/2016 **Plug Date:**

Log File Date: 08/05/2021 **PCW Rev Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 5 GPM

Casing Size: 6.00 **Depth Well:** 420 feet **Depth Water:** 222 feet

Water Bearing Stratifications:

Top	Bottom	Description
180	308	Sandstone/Gravel/Conglomerate
366	385	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
240	260
360	380
400	420

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USGS Water Resources (Cooperator Access)

Data Category:
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Geographic Area:
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Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321025103263601

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321025103263601 24S.34E.35.12411

Lea County, New Mexico
Latitude 32°10'44.0", Longitude 103°26'31.2" NAD83
Land-surface elevation 3,409.00 feet above NGVD29
The depth of the well is 257 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1953-03-29			D 62610		3185.10	NGVD29	1		Z	
1953-03-29			D 62611		3186.69	NAVD88	1		Z	
1953-03-29			D 72019	223.90			1		Z	
1971-01-13			D 62610		3190.96	NGVD29	1		Z	
1971-01-13			D 62611		3192.55	NAVD88	1		Z	
1971-01-13			D 72019	218.04			1		Z	
1976-01-15			D 62610		3189.94	NGVD29	1		Z	
1976-01-15			D 62611		3191.53	NAVD88	1		Z	
1976-01-15			D 72019	219.06			1		Z	
1981-03-20			D 62610		3191.29	NGVD29	1		Z	
1981-03-20			D 62611		3192.88	NAVD88	1		Z	
1981-03-20			D 72019	217.71			1		Z	
1986-03-06			D 62610		3185.50	NGVD29	1		Z	
1986-03-06			D 62611		3187.09	NAVD88	1		Z	
1986-03-06			D 72019	223.50			1		Z	
1991-05-31			D 62610		3189.82	NGVD29	1		Z	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1991-05-31		D	62611		3191.41	NAVD88	1	Z		
1991-05-31		D	72019	219.18			1	Z		
1996-03-14		D	62610		3189.81	NGVD29	1	S		
1996-03-14		D	62611		3191.40	NAVD88	1	S		
1996-03-14		D	72019	219.19			1	S		
2013-01-16	22:00 UTC	m	62610		3185.06	NGVD29	1	S	USGS	
2013-01-16	22:00 UTC	m	62611		3186.65	NAVD88	1	S	USGS	
2013-01-16	22:00 UTC	m	72019	223.94			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**Page Contact Information: [USGS Water Data Support Team](#)

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0.28 0.24 nadww02





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USGS Water Resources (Cooperator Access)

Data Category:

Groundwater

Geographic Area:

United States

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site_no list =

- 321025103263601

Minimum number of levels = 1

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USGS 321025103263601 24S.34E.35.12411

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°10'44.0", Longitude 103°26'31.2" NAD83

Land-surface elevation 3,409.00 feet above NGVD29

The depth of the well is 257 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

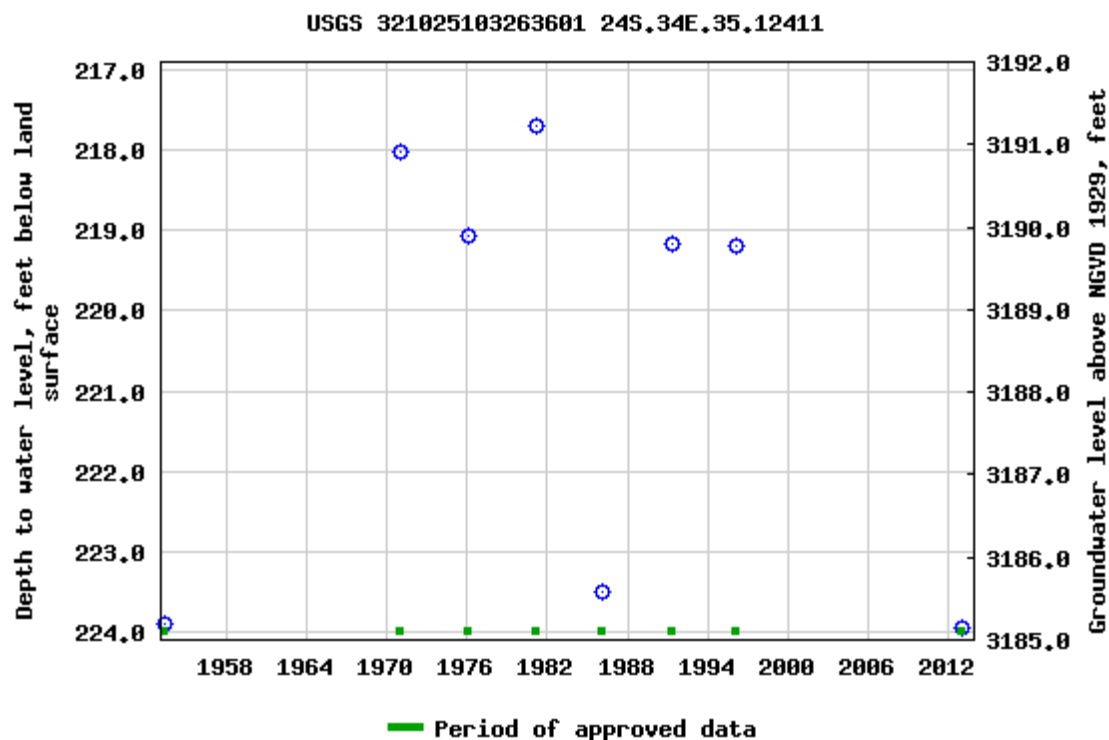
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0.6 0.51 nadww02

ATTACHMENT 2: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

ConocoPhillips

Water Well C-03942-POD1
Lea County, New Mexico

31402909.080

Photo No.

Date

1

July 27, 2021

View of release extent
during initial site
assessment.

Photo No.

Date

2

July 27, 2021

View of release extent
during initial site
assessment.



PHOTOGRAPHIC LOG

ConocoPhillips

Water Well C-03942-POD1
Lea County, New Mexico

31402909.080

Photo No.

Date

3

July 27, 2021

View of release extent
during initial site
assessment along Battle
Ax Road.



Photo No.

Date

4

September 8,
2021

View of delineation
activities via drill rig.



ATTACHMENT 3: LITHOLOGIC/SAMPLING LOGS

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								PH01		8/16/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
LITHOLOGIC / SOIL SAMPLING LOG								WSP Job Number:		31402909.08	
Lat/Long:				Field Screening:		Hole Diameter:		Total Depth:			
				Hatch Chloride Strips, PID		36"		17 feet			
Comments:											
TD @ 17 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
M	10,044	0.1	N			1	SM	Fine, Silty Sand. Dark Brown. No Odor, No plasticity.			
M	10,920	0.6	N			2	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	11,916	2.6	N			3	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	17,360	2.2	N			4	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
						6	CCHE	Poorly consolidated Caliche. No odor, no plasticity. Reddish			
M	7,240	0.8	N			8	CCHE	Poorly consolidated Caliche. No odor, no plasticity. Red/tan			
M	4,444	0.6	N			10	CCHE	Poorly consolidated Caliche. No odor, no plasticity. Red/tan			
M	1,648	0.8	N			12	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	2,604	0.7	N			14	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	572	0.6	N			16	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	852	0.8	N			17	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								Refusal depth			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220		BH or PH Name:		Date:				
		PH02		8/16/2021				
		Site Name:		Battle Ax Water Well				
		RP or Incident Number:		NAPP2120869635				
		WSP Job Number:		31402909.08				
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long:		Field Screening:		Hole Diameter:				
		Hatch Chloride Strips, PID		36"				
Total Depth: 15 feet								
Comments:								
TD @ 15 feet								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
M	21,672	0.6	N			1	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.
S	21,672	0.8	N			2	SM	Fine, Silty Sand. Saturated. Brown. No Odor, No plasticity.
M	17,360	0.7	N			3	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	21,672	0.9	N			4	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	13,020	1.2	N			6	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	3,440	0.9	N			8	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	11,916	0.9	N			10	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	4,444	1.3	N			12	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	10,928	1.1	N			14	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
M	17,360	1.0	N			15	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan
								Refusal depth

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								PH03		8/16/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
LITHOLOGIC / SOIL SAMPLING LOG								WSP Job Number:		31402909.08	
Lat/Long:				Field Screening:				Hole Diameter:		Total Depth:	
				Hatch Chloride Strips, PID				36"		8 feet	
Comments:											
TD @ 8 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
M	19,316	1.2	N			1	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	11,916	1.4	N			2	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	19,316	0.7	N			3	GW	Well graded gravel with sand. No odor, no plasticity. Pink-tan			
M	11,916	0.5	N			4	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	1,576	0.6	N			6	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.9	N			8	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								PH04		8/16/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
LITHOLOGIC / SOIL SAMPLING LOG								WSP Job Number:		31402909.08	
Lat/Long:				Field Screening:				Hole Diameter:		Total Depth:	
				Hatch Chloride Strips, PID				36"		4 feet	
Comments:											
TD @ 4 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
M	14,232	0.6	N			1	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	17,360	0.7	N			2	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	17,360	0.8	N			3	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	356	0.7	N			4	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								PH05		8/16/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
LITHOLOGIC / SOIL SAMPLING LOG								WSP Job Number:		31402909.08	
Lat/Long:				Field Screening:		Hole Diameter:		Total Depth:			
				Hatch Chloride Strips, PID		36"		8 feet			
Comments:											
TD @ 8 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
M	13,020	1.1	N			1	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	15,704	1.0	N			2	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	21,672	1.0	N			3	GW	Well graded gravel with sand. No odor, no plasticity. Pink-tan			
M	11,916	0.9	N			4	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	676	1.5	N			6	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	220	1.2	N			8	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								PH06		8/16/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
WSP Job Number:								31402909.08			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Anna B		Method: Track hoe	
Lat/Long:				Field Screening: Hatch Chloride Strips, PID				Hole Diameter: 36"		Total Depth: 6 feet	
Comments: TD @ 6 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
M	<108	0.8	N			1	SM	Fine, Silty Sand. Brown. No Odor, No plasticity.			
M	6,680	1.2	N			2	GW	Well graded gravel with sand. No odor, no plasticity. Pink-tan			
M	19,316	0.9	N			3	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	14,264	0.7	N			4	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
M	108	1.2	N			6	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								BH01		9/8/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
WSP Job Number:								31402909.08			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Anna B		Method: Drill Rig	
Lat/Long:				Field Screening:				Hole Diameter:		Total Depth:	
				Hatch Chloride Strips, PID				6"		20 feet	
Comments:											
TD @ 20 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
M	5,716	0.6	N			0'-1'	SP-SM	Fine, poorly grade sand with silt. Brown. No Odor, No plasticity.			
M	19,316	0.8	N			2'-3'	CCHE	Well consolidated Caliche. No odor, no plasticity. Tan			
D	14,264	0.4	N			4'-5'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	7,420	0.7	N			6'-7'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	1,760	0.2	N			9'-10'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	252	0.3	N			14'-15'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	220	0.4	N			19'-20'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								BH02		9/8/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
LITHOLOGIC / SOIL SAMPLING LOG								WSP Job Number:		31402909.08	
Lat/Long:				Field Screening:				Hole Diameter:		Total Depth:	
				Hatch Chloride Strips, PID				6"		20 feet	
Comments:											
TD @ 20 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
D	<108	0.2	N			0'-1'	SP-SM	Fine, poorly grade sand with silt. Brown. No Odor, No plasticity.			
D	<108	0.1	N			2'-3'	SP-SM	Fine, poorly grade sand with silt. Brown. No Odor, No plasticity.			
D	1,908	0.3	N			4'-5'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	920	0.2	N			6'-7'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	480	0.3	N			9'-10'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	136	0.2	N			14'-15'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	160	0.1	N			19'-20'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								BH03		9/8/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
WSP Job Number:								31402909.08			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Anna B		Method: Drill Rig	
Lat/Long:				Field Screening: Hatch Chloride Strips, PID				Hole Diameter: 6"		Total Depth: 20 feet	
Comments: TD @ 20 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
D	108	0.2	N			0'-1'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.2	N			2'-3'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.1	N			4'-5'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.2	N			6'-7'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.3	N			9'-10'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	188	0.2	N			14'-15'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	320	0.1	N			19'-20'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								BH04		9/8/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
WSP Job Number:								31402909.08			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Anna B		Method: Track hoe	
Lat/Long:				Field Screening: Hatch Chloride Strips, PID				Hole Diameter: 6"		Total Depth: 20 feet	
Comments: TD @ 20 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
D	<108	0.3	N			0'-1'	SP-SM	Fine, poorly grade sand with silt. Brown. No Odor, No plasticity.			
D	<108	0.1	N			2'-3'	SP-SM	Fine, poorly grade sand with silt. Brown. No Odor, No plasticity.			
D	<108	0.2	N			4'-5'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.2	N			6'-7'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.1	N			9'-10'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.0	N			14'-15'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	108	0.1	N			19'-20'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name:		Date:	
								BH05		9/8/2021	
								Site Name:		Battle Ax Water Well	
								RP or Incident Number:		NAPP2120869635	
LITHOLOGIC / SOIL SAMPLING LOG								WSP Job Number:		31402909.08	
Lat/Long:				Field Screening:		Hole Diameter:		Total Depth:			
				Hatch Chloride Strips, PID		6"		20 feet			
Comments:											
TD @ 20 feet											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
						0					
D	<108	0.3	N			0'-1'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.1	N			2'-3'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.2	N			4'-5'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.2	N			6'-7'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	<108	0.1	N			9'-10'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	108	0.0	N			14'-15'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
D	188	0.1	N			19'-20'	CCHE	Well consolidated Caliche. No odor, no plasticity. Pink-tan			
								TD			



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

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2120869635
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Ike Tavarez Title: Staff Program Manager
Signature:  Date: 5/26/2022
email: Ike.Tavarez@conocophillips.com Telephone: (432) 701-8630

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 06/13/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A



Appendix C: Photographic Documentation

 Battle Axe Water Well	
Site Photos	
Photo 1	
Date/Time: 02/09/2022 09:09:00	
Taken by: MB	
Direction: Southwest	
Description: View of GPR survey activities.	
Photo 2	
Date/Time: 02/09/2022 09:41:00	
Taken by: MB	
Direction: South	
Description: View of GPR survey activities.	
Photo 3	
Date/Time: 02/10/2022 13:10:00	
Taken by: MB	
Direction: North	
Description: View of excavation activities.	

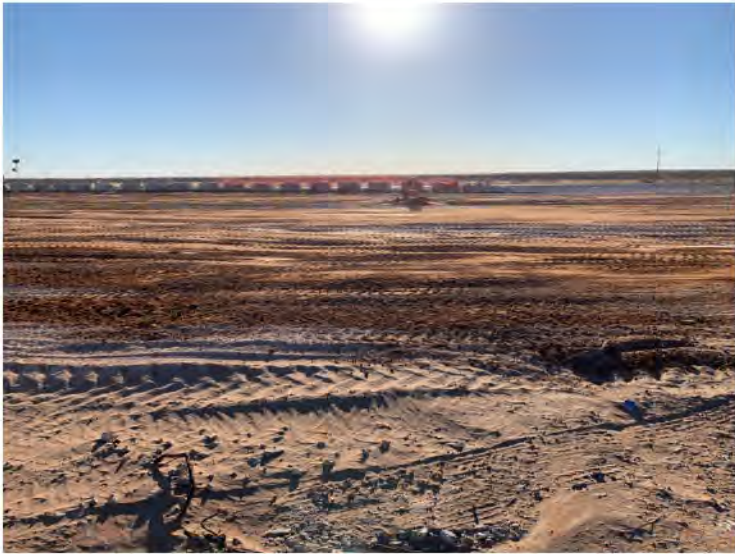
Photo 4	
Date/Time: 02/16/2022 15:34:00	
Taken by: MB	
Direction: Northeast	
Description: View of excavation activities and stockpile.	
Photo 5	
Date/Time: 02/17/2022 13:52:00	
Taken by: MB	
Direction: South	
Description: View of excavation activities adjacent to the water well.	
Photo 6	
Date/Time: 02/18/2022 14:44:00	
Taken by: MB	
Direction: South	
Description: View of safety measures in place.	

Photo 7	
Date/Time: 02/18/2022 14:45:00	
Taken by: MB	
Direction: South	
Description: View of safety measures in place.	
Photo 8	
Date/Time: 02/21/2022 09:02:00	
Taken by: MB	
Direction: Northeast	
Description: View of stockpile.	
Photo 9	
Date/Time: 03/02/2022 14:54:00	
Taken by: MB	
Direction: West	
Description: View of remediation activities on pad and alongside Battle Axe Road.	

Photo 10	
Date/Time: 03/02/2022 14:55:00	
Taken by: MB	
Direction: South	
Description: View of remediation activities on pad and alongside Battle Axe Road.	
Photo 11	
Date/Time: 03/09/2022 14:15:00	
Taken by: MB	
Direction: West	
Description: Backfill activities	
Photo 12	
Date/Time: 03/10/2022 15:41:00	
Taken by: MB	
Direction: Southwest	
Description: View of stockpile.	

Photo 13	
Date/Time: 03/10/2022 15:42:00	
Taken by: MB	
Direction: Southwest	
Description: View of backfill activities adjacent to the water well.	
Photo 14	
Date/Time: 03/10/2022 14:33:00	
Taken by: MB	
Direction: South	
Description: View of excavation activities adjacent to Battle Axe Road.	
Photo 15	
Date/Time: 03/11/2022 13:53:00	
Taken by: MB	
Direction: Southwest	
Description: View of backfill activities adjacent to Battle Axe Road.	

Photo 16	
Date/Time: 03/14/2022 17:41:00	
Taken by: MB	
Direction: North	
Description: View of backfill activities.	
Photo 17	
Date/Time: 03/14/2022 17:39:00	
Taken by: MB	
Direction: Southeast	
Description: View of backfill activities.	
Photo 18	
Date/Time: 03/14/2022 17:38:00	
Taken by: MB	
Direction: South	
Description: View of backfill activities.	

Photo 19	
Date/Time: 03/14/2022 17:37:00	
Taken by: MB	
Direction: West	
Description: View of backfill activities.	
Photo 20	
Date/Time: 03/14/2022 17:40:00	
Taken by: MB	
Direction: North	
Description: View of backfill activities.	



Appendix D: Laboratory Analytical Data



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1952-1
Client Project/Site: Battle Axe

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/21/2022 6:58:13 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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results through
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www.eurofinsus.com/Env

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Laboratory Job ID: 890-1952-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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.

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.
α	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

Eurofins Carlsbad

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Job ID: 890-1952-1**Laboratory: Eurofins Carlsbad****Narrative****Job Narrative
890-1952-1****Receipt**

The samples were received on 2/15/2022 4:52 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 1.0°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-SW-2 2 (890-1952-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-19655 and analytical batch 880-19670 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-19655/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-19656 and analytical batch 880-19672 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-SW-2 2 (890-1952-2), CS-SW-3 2 (890-1952-3), CS-SW-4 2 (890-1952-4), CS-SW-4 6 (890-1952-5), (880-11386-A-9-F MS) and (880-11386-A-9-G MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19767 and analytical batch 880-19833 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-1 2

Lab Sample ID: 890-1952-1

Date Collected: 02/15/22 10:15

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/17/22 09:02	02/18/22 00:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/17/22 09:02	02/18/22 00:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/17/22 08:13	02/17/22 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	02/17/22 08:13	02/17/22 14:19	1
o-Terphenyl	78		70 - 130	02/17/22 08:13	02/17/22 14:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	502		4.97		mg/Kg			02/18/22 15:49	1

Client Sample ID: CS-SW-2 2

Lab Sample ID: 890-1952-2

Date Collected: 02/15/22 08:05

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/18/22 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	02/17/22 09:02	02/18/22 00:30	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-2 2

Lab Sample ID: 890-1952-2

Date Collected: 02/15/22 08:05

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	02/17/22 09:02	02/18/22 00:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/17/22 08:13	02/17/22 14:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 14:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/17/22 08:13	02/17/22 14:39	1
o-Terphenyl	73		70 - 130				02/17/22 08:13	02/17/22 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.98		mg/Kg			02/18/22 15:55	1

Client Sample ID: CS-SW-3 2

Lab Sample ID: 890-1952-3

Date Collected: 02/15/22 10:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/17/22 09:02	02/18/22 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/17/22 09:02	02/18/22 00:51	1
1,4-Difluorobenzene (Surr)	118		70 - 130	02/17/22 09:02	02/18/22 00:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/22 08:59	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-3 2

Lab Sample ID: 890-1952-3

Date Collected: 02/15/22 10:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/17/22 08:13	02/17/22 15:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 15:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/17/22 08:13	02/17/22 15:43	1
o-Terphenyl	76		70 - 130				02/17/22 08:13	02/17/22 15:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		25.0		mg/Kg			02/18/22 16:02	5

Client Sample ID: CS-SW-4 2

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/17/22 09:02	02/18/22 01:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/17/22 09:02	02/18/22 01:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				02/17/22 08:13	02/17/22 16:03	1
o-Terphenyl	67	S1-	70 - 130				02/17/22 08:13	02/17/22 16:03	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-4 2

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	456		5.05		mg/Kg			02/18/22 16:08	1

Client Sample ID: CS-SW-4 6

Lab Sample ID: 890-1952-5

Date Collected: 02/15/22 14:05

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				02/17/22 09:02	02/18/22 01:32	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/17/22 09:02	02/18/22 01:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	60	S1-	70 - 130				02/17/22 08:13	02/17/22 16:23	1
o-Terphenyl	66	S1-	70 - 130				02/17/22 08:13	02/17/22 16:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		5.00		mg/Kg			02/18/22 16:15	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-5 2

Lab Sample ID: 890-1952-6

Date Collected: 02/15/22 14:10

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/17/22 09:02	02/18/22 01:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/17/22 09:02	02/18/22 01:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/17/22 08:08	02/17/22 14:19	1
o-Terphenyl	106		70 - 130	02/17/22 08:08	02/17/22 14:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		25.3		mg/Kg			02/18/22 14:46	5

Client Sample ID: CS-SW-6 2

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/17/22 09:02	02/18/22 02:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/17/22 09:02	02/18/22 02:13	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-6 2

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	02/17/22 09:02	02/18/22 02:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				02/17/22 08:08	02/17/22 14:39	1
o-Terphenyl	120		70 - 130				02/17/22 08:08	02/17/22 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		4.98		mg/Kg			02/18/22 14:54	1

Client Sample ID: CS-SW-7 2

Lab Sample ID: 890-1952-8

Date Collected: 02/15/22 14:20

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
m-Xylene & p-Xylene	0.0107		0.00400		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
Xylenes, Total	0.0107		0.00400		mg/Kg		02/17/22 09:02	02/18/22 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/17/22 09:02	02/18/22 02:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/17/22 09:02	02/18/22 02:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0107		0.00400		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-7 2

Lab Sample ID: 890-1952-8

Date Collected: 02/15/22 14:20

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 15:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 15:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				02/17/22 08:08	02/17/22 15:43	1
o-Terphenyl	106		70 - 130				02/17/22 08:08	02/17/22 15:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		4.96		mg/Kg			02/18/22 19:31	1

Client Sample ID: CS-SW-8 2

Lab Sample ID: 890-1952-9

Date Collected: 02/15/22 14:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				02/17/22 09:02	02/18/22 02:54	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/17/22 09:02	02/18/22 02:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/17/22 08:08	02/17/22 16:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 08:08	02/17/22 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 08:08	02/17/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				02/17/22 08:08	02/17/22 16:03	1
o-Terphenyl	117		70 - 130				02/17/22 08:08	02/17/22 16:03	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-8 2
Date Collected: 02/15/22 14:25
Date Received: 02/15/22 16:52
Sample Depth: 2

Lab Sample ID: 890-1952-9
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	667		5.04		mg/Kg			02/18/22 19:37	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

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)
820-3423-A-1-C MSD	Matrix Spike Duplicate	121	108
820-3423-A-1-E MS	Matrix Spike	112	92
890-1952-1	CS-SW-1 2	125	96
890-1952-2	CS-SW-2 2	138 S1+	102
890-1952-3	CS-SW-3 2	114	118
890-1952-4	CS-SW-4 2	121	98
890-1952-5	CS-SW-4 6	120	102
890-1952-6	CS-SW-5 2	129	101
890-1952-7	CS-SW-6 2	127	99
890-1952-8	CS-SW-7 2	132 S1+	107
890-1952-9	CS-SW-8 2	131 S1+	89
LCS 880-19666/1-A	Lab Control Sample	117	101
LCSD 880-19666/2-A	Lab Control Sample Dup	120	108
MB 880-19658/5-A	Method Blank	128	97
MB 880-19666/5-A	Method Blank	117	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)
880-11386-A-1-E MS	Matrix Spike	105	107
880-11386-A-1-F MSD	Matrix Spike Duplicate	88	95
880-11386-A-9-F MS	Matrix Spike	66 S1-	61 S1-
880-11386-A-9-G MSD	Matrix Spike Duplicate	66 S1-	60 S1-
890-1952-1	CS-SW-1 2	72	78
890-1952-2	CS-SW-2 2	68 S1-	73
890-1952-3	CS-SW-3 2	69 S1-	76
890-1952-4	CS-SW-4 2	61 S1-	67 S1-
890-1952-5	CS-SW-4 6	60 S1-	66 S1-
890-1952-6	CS-SW-5 2	92	106
890-1952-7	CS-SW-6 2	105	120
890-1952-8	CS-SW-7 2	94	106
890-1952-9	CS-SW-8 2	105	117
LCS 880-19655/2-A	Lab Control Sample	110	124
LCS 880-19656/2-A	Lab Control Sample	108	109
LCSD 880-19655/3-A	Lab Control Sample Dup	114	127
LCSD 880-19656/3-A	Lab Control Sample Dup	106	105
MB 880-19655/1-A	Method Blank	110	133 S1+
MB 880-19656/1-A	Method Blank	73	81
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19658/5-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19658

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 08:20	02/17/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/17/22 08:20	02/17/22 11:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/17/22 08:20	02/17/22 11:45	1

Lab Sample ID: MB 880-19666/5-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/17/22 23:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/17/22 09:02	02/17/22 23:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/17/22 09:02	02/17/22 23:21	1

Lab Sample ID: LCS 880-19666/1-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08530		mg/Kg		85	70 - 130
Toluene	0.100	0.08771		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09755		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1823		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09789		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-19666/2-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08616		mg/Kg		86	70 - 130	1	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

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

Lab Sample ID: LCSD 880-19666/2-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08753		mg/Kg		88	70 - 130	0	35
Ethylbenzene	0.100	0.09740		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130	2	35
o-Xylene	0.100	0.09535		mg/Kg		95	70 - 130	3	35

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

Lab Sample ID: 820-3423-A-1-C MSD

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08311		mg/Kg		83	70 - 130	12	35
Toluene	<0.00199	U	0.0996	0.08362		mg/Kg		84	70 - 130	14	35
Ethylbenzene	<0.00199	U	0.0996	0.09494		mg/Kg		95	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1745		mg/Kg		88	70 - 130	11	35
o-Xylene	<0.00199	U	0.0996	0.08224		mg/Kg		83	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 820-3423-A-1-E MS

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07340		mg/Kg		73	70 - 130		
Toluene	<0.00199	U	0.101	0.07237		mg/Kg		72	70 - 130		
Ethylbenzene	<0.00199	U	0.101	0.08037		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1562		mg/Kg		77	70 - 130		
o-Xylene	<0.00199	U	0.101	0.07671		mg/Kg		76	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-19655/1-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 09:55	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

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

Lab Sample ID: MB 880-19655/1-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 09:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 09:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				02/17/22 08:08	02/17/22 09:55	1
o-Terphenyl	133	S1+	70 - 130				02/17/22 08:08	02/17/22 09:55	1

Lab Sample ID: LCS 880-19655/2-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	110		70 - 130				
o-Terphenyl	124		70 - 130				

Lab Sample ID: LCSD 880-19655/3-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	907.6		mg/Kg		91	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	127		70 - 130						

Lab Sample ID: 880-11386-A-1-E MS

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19655

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 F2	1000	1279		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1275		mg/Kg		126	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	107		70 - 130						

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

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

Lab Sample ID: 880-11386-A-1-F MSD

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19655

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 F2	998	1011	F2	mg/Kg		97	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1108		mg/Kg		109	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: MB 880-19656/1-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 09:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 09:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 09:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/17/22 08:13	02/17/22 09:55	1
o-Terphenyl	81		70 - 130				02/17/22 08:13	02/17/22 09:55	1

Lab Sample ID: LCS 880-19656/2-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1296		mg/Kg		130	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	974.5		mg/Kg		97	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: LCSD 880-19656/3-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19656

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	925.5	*1	mg/Kg		93	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	1000	937.1		mg/Kg		94	70 - 130	4	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

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

Lab Sample ID: LCSD 880-19656/3-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19656

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11386-A-9-F MS

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19656

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 F1	1000	952.4		mg/Kg		95	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	837.4		mg/Kg		81	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	66	S1-	70 - 130							
o-Terphenyl	61	S1-	70 - 130							

Lab Sample ID: 880-11386-A-9-G MSD

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19656

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1 F1	998	1321	F1 F2	mg/Kg		132	70 - 130	32	20	
Diesel Range Organics (Over C10-C28)	<50.0	U	998	866.5		mg/Kg		84	70 - 130	3	20	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	66	S1-	70 - 130									
o-Terphenyl	60	S1-	70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19773/1-A

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 10:04	1		

Lab Sample ID: LCS 880-19773/2-A

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS						%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Chloride	250	269.7		mg/Kg		108	90 - 110			

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-19773/3-A

Matrix: Solid

Analysis Batch: 19832

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	270.7		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-11404-A-11-H MS

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.95	U F1	248	292.6	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 880-11404-A-11-I MSD

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.95	U F1	248	284.4	F1	mg/Kg		114	90 - 110	3	20

Lab Sample ID: MB 880-19767/1-A

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 13:03	1

Lab Sample ID: LCS 880-19767/2-A

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.1		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-19767/3-A

Matrix: Solid

Analysis Batch: 19833

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	264.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-11389-A-10-G MS

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.1	F1	250	371.4	F1	mg/Kg		125	90 - 110		

Lab Sample ID: 880-11389-A-10-H MSD

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.1	F1	250	369.9	F1	mg/Kg		125	90 - 110	0	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19766/1-A

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 17:26	1

Lab Sample ID: LCS 880-19766/2-A

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	262.1		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-19766/3-A

Matrix: Solid

Analysis Batch: 19837

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	266.7		mg/Kg		107	90 - 110	2	20

Lab Sample ID: 880-11404-A-13-E MS

Matrix: Solid

Analysis Batch: 19837

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	25.3		250	277.1		mg/Kg		101	90 - 110

Lab Sample ID: 880-11404-A-13-F MSD

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.3		250	289.8		mg/Kg		106	90 - 110	4	20

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

GC VOA

Prep Batch: 19658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19658/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Total/NA	Solid	8021B	19666
890-1952-2	CS-SW-2 2	Total/NA	Solid	8021B	19666
890-1952-3	CS-SW-3 2	Total/NA	Solid	8021B	19666
890-1952-4	CS-SW-4 2	Total/NA	Solid	8021B	19666
890-1952-5	CS-SW-4 6	Total/NA	Solid	8021B	19666
890-1952-6	CS-SW-5 2	Total/NA	Solid	8021B	19666
890-1952-7	CS-SW-6 2	Total/NA	Solid	8021B	19666
890-1952-8	CS-SW-7 2	Total/NA	Solid	8021B	19666
890-1952-9	CS-SW-8 2	Total/NA	Solid	8021B	19666
MB 880-19658/5-A	Method Blank	Total/NA	Solid	8021B	19658
MB 880-19666/5-A	Method Blank	Total/NA	Solid	8021B	19666
LCS 880-19666/1-A	Lab Control Sample	Total/NA	Solid	8021B	19666
LCSD 880-19666/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19666
820-3423-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19666
820-3423-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	19666

Prep Batch: 19666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Total/NA	Solid	5035	
890-1952-2	CS-SW-2 2	Total/NA	Solid	5035	
890-1952-3	CS-SW-3 2	Total/NA	Solid	5035	
890-1952-4	CS-SW-4 2	Total/NA	Solid	5035	
890-1952-5	CS-SW-4 6	Total/NA	Solid	5035	
890-1952-6	CS-SW-5 2	Total/NA	Solid	5035	
890-1952-7	CS-SW-6 2	Total/NA	Solid	5035	
890-1952-8	CS-SW-7 2	Total/NA	Solid	5035	
890-1952-9	CS-SW-8 2	Total/NA	Solid	5035	
MB 880-19666/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19666/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19666/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-3423-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
820-3423-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 19821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Total/NA	Solid	Total BTEX	
890-1952-2	CS-SW-2 2	Total/NA	Solid	Total BTEX	
890-1952-3	CS-SW-3 2	Total/NA	Solid	Total BTEX	
890-1952-4	CS-SW-4 2	Total/NA	Solid	Total BTEX	
890-1952-5	CS-SW-4 6	Total/NA	Solid	Total BTEX	
890-1952-6	CS-SW-5 2	Total/NA	Solid	Total BTEX	
890-1952-7	CS-SW-6 2	Total/NA	Solid	Total BTEX	
890-1952-8	CS-SW-7 2	Total/NA	Solid	Total BTEX	
890-1952-9	CS-SW-8 2	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

GC Semi VOA

Prep Batch: 19655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 2	Total/NA	Solid	8015NM Prep	
890-1952-7	CS-SW-6 2	Total/NA	Solid	8015NM Prep	
890-1952-8	CS-SW-7 2	Total/NA	Solid	8015NM Prep	
890-1952-9	CS-SW-8 2	Total/NA	Solid	8015NM Prep	
MB 880-19655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11386-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11386-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 19656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Total/NA	Solid	8015NM Prep	
890-1952-2	CS-SW-2 2	Total/NA	Solid	8015NM Prep	
890-1952-3	CS-SW-3 2	Total/NA	Solid	8015NM Prep	
890-1952-4	CS-SW-4 2	Total/NA	Solid	8015NM Prep	
890-1952-5	CS-SW-4 6	Total/NA	Solid	8015NM Prep	
MB 880-19656/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19656/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11386-A-9-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11386-A-9-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 2	Total/NA	Solid	8015B NM	19655
890-1952-7	CS-SW-6 2	Total/NA	Solid	8015B NM	19655
890-1952-8	CS-SW-7 2	Total/NA	Solid	8015B NM	19655
890-1952-9	CS-SW-8 2	Total/NA	Solid	8015B NM	19655
MB 880-19655/1-A	Method Blank	Total/NA	Solid	8015B NM	19655
LCS 880-19655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19655
LCSD 880-19655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19655
880-11386-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19655
880-11386-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19655

Analysis Batch: 19672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Total/NA	Solid	8015B NM	19656
890-1952-2	CS-SW-2 2	Total/NA	Solid	8015B NM	19656
890-1952-3	CS-SW-3 2	Total/NA	Solid	8015B NM	19656
890-1952-4	CS-SW-4 2	Total/NA	Solid	8015B NM	19656
890-1952-5	CS-SW-4 6	Total/NA	Solid	8015B NM	19656
MB 880-19656/1-A	Method Blank	Total/NA	Solid	8015B NM	19656
LCS 880-19656/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19656
LCSD 880-19656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19656
880-11386-A-9-F MS	Matrix Spike	Total/NA	Solid	8015B NM	19656
880-11386-A-9-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19656

Analysis Batch: 19790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

GC Semi VOA (Continued)

Analysis Batch: 19790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-2	CS-SW-2 2	Total/NA	Solid	8015 NM	
890-1952-3	CS-SW-3 2	Total/NA	Solid	8015 NM	
890-1952-4	CS-SW-4 2	Total/NA	Solid	8015 NM	
890-1952-5	CS-SW-4 6	Total/NA	Solid	8015 NM	
890-1952-6	CS-SW-5 2	Total/NA	Solid	8015 NM	
890-1952-7	CS-SW-6 2	Total/NA	Solid	8015 NM	
890-1952-8	CS-SW-7 2	Total/NA	Solid	8015 NM	
890-1952-9	CS-SW-8 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-8	CS-SW-7 2	Soluble	Solid	DI Leach	
890-1952-9	CS-SW-8 2	Soluble	Solid	DI Leach	
MB 880-19766/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19766/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19766/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11404-A-13-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11404-A-13-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Soluble	Solid	DI Leach	
890-1952-2	CS-SW-2 2	Soluble	Solid	DI Leach	
890-1952-3	CS-SW-3 2	Soluble	Solid	DI Leach	
890-1952-4	CS-SW-4 2	Soluble	Solid	DI Leach	
890-1952-5	CS-SW-4 6	Soluble	Solid	DI Leach	
MB 880-19767/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19767/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19767/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11389-A-10-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11389-A-10-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 2	Soluble	Solid	DI Leach	
890-1952-7	CS-SW-6 2	Soluble	Solid	DI Leach	
MB 880-19773/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19773/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19773/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11404-A-11-H MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11404-A-11-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 19832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 2	Soluble	Solid	300.0	19773
890-1952-7	CS-SW-6 2	Soluble	Solid	300.0	19773
MB 880-19773/1-A	Method Blank	Soluble	Solid	300.0	19773
LCS 880-19773/2-A	Lab Control Sample	Soluble	Solid	300.0	19773
LCSD 880-19773/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19773

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

HPLC/IC (Continued)

Analysis Batch: 19832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11404-A-11-H MS	Matrix Spike	Soluble	Solid	300.0	19773
880-11404-A-11-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19773

Analysis Batch: 19833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 2	Soluble	Solid	300.0	19767
890-1952-2	CS-SW-2 2	Soluble	Solid	300.0	19767
890-1952-3	CS-SW-3 2	Soluble	Solid	300.0	19767
890-1952-4	CS-SW-4 2	Soluble	Solid	300.0	19767
890-1952-5	CS-SW-4 6	Soluble	Solid	300.0	19767
MB 880-19767/1-A	Method Blank	Soluble	Solid	300.0	19767
LCS 880-19767/2-A	Lab Control Sample	Soluble	Solid	300.0	19767
LCSD 880-19767/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19767
880-11389-A-10-G MS	Matrix Spike	Soluble	Solid	300.0	19767
880-11389-A-10-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19767

Analysis Batch: 19837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-8	CS-SW-7 2	Soluble	Solid	300.0	19766
890-1952-9	CS-SW-8 2	Soluble	Solid	300.0	19766
MB 880-19766/1-A	Method Blank	Soluble	Solid	300.0	19766
LCS 880-19766/2-A	Lab Control Sample	Soluble	Solid	300.0	19766
LCSD 880-19766/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19766
880-11404-A-13-E MS	Matrix Spike	Soluble	Solid	300.0	19766
880-11404-A-13-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19766

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-1 2

Lab Sample ID: 890-1952-1

Date Collected: 02/15/22 10:15

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 00:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 15:49	CH	XEN MID

Client Sample ID: CS-SW-2 2

Lab Sample ID: 890-1952-2

Date Collected: 02/15/22 08:05

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 00:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 14:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 15:55	CH	XEN MID

Client Sample ID: CS-SW-3 2

Lab Sample ID: 890-1952-3

Date Collected: 02/15/22 10:25

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 00:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 15:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		5			19833	02/18/22 16:02	CH	XEN MID

Client Sample ID: CS-SW-4 2

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 01:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-4 2

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

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			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 16:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 16:08	CH	XEN MID

Client Sample ID: CS-SW-4 6

Lab Sample ID: 890-1952-5

Date Collected: 02/15/22 14:05

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 01:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 16:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 16:15	CH	XEN MID

Client Sample ID: CS-SW-5 2

Lab Sample ID: 890-1952-6

Date Collected: 02/15/22 14:10

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 01:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		5			19832	02/18/22 14:46	CH	XEN MID

Client Sample ID: CS-SW-6 2

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 02:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 14:39	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Client Sample ID: CS-SW-6 2

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 14:54	CH	XEN MID

Client Sample ID: CS-SW-7 2

Lab Sample ID: 890-1952-8

Date Collected: 02/15/22 14:20

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 02:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 15:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 19:31	CH	XEN MID

Client Sample ID: CS-SW-8 2

Lab Sample ID: 890-1952-9

Date Collected: 02/15/22 14:25

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 02:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 16:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 19:37	CH	XEN MID

Laboratory References:

XEN 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: Battle Axe

Job ID: 890-1952-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1952-1	CS-SW-1 2	Solid	02/15/22 10:15	02/15/22 16:52	2
890-1952-2	CS-SW-2 2	Solid	02/15/22 08:05	02/15/22 16:52	2
890-1952-3	CS-SW-3 2	Solid	02/15/22 10:25	02/15/22 16:52	2
890-1952-4	CS-SW-4 2	Solid	02/15/22 14:00	02/15/22 16:52	2
890-1952-5	CS-SW-4 6	Solid	02/15/22 14:05	02/15/22 16:52	6
890-1952-6	CS-SW-5 2	Solid	02/15/22 14:10	02/15/22 16:52	2
890-1952-7	CS-SW-6 2	Solid	02/15/22 14:15	02/15/22 16:52	2
890-1952-8	CS-SW-7 2	Solid	02/15/22 14:20	02/15/22 16:52	2
890-1952-9	CS-SW-8 2	Solid	02/15/22 14:25	02/15/22 16:52	2



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Jared Stadel	Bill to: (if different)	Eric Tovar
Company Name:	TRC	Company Name:	Conoco Phillips
Address:	10000 DSC	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared.Stadel@conoco.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

Project Name:	Battle Axe	Turn Around	☐ Routine ☒ Rush	Prep. Code	24hr
Project Number:	TRC NM	Due Date:			
Project Location:	Mist Bayport	TAT starts the day received by the lab, if received by 4:30pm			
Sample's Name:					
P.O. #:					
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No			
Samples Received Intact:	Yes ☒ No ☒ N/A	Thermometer ID: 77000003			
Cooler Custody Seals:	Yes ☒ No ☒ N/A	Correction Factor: -0.2			
Sample Custody Seals:	Yes ☒ No ☒ N/A	Temperature Reading: 1.0			
Total Containers:		Corrected Temperature:	1.0		



890-1952 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-5W-1 021	S	2/15/22	1015	2'	C	1	TPH 8015M		None: NO	DI Water: H ₂ O
CS-5W-2 021			0805	2'			BTEX 8021B		Cool: Cool	MeOH: Me
CS-5W-3 021			1025	2'			Chloride		HCL: HC	HNO ₃ : HN
CS-5W-4 021			1400	2'					H ₂ SO ₄ : H ₂	NaOH: Na
CS-5W-4 061			1405	6'					H ₃ PO ₄ : HP	
CS-5W-5 021			1410	2'					NaHSO ₄ : +NaHS	
CS-5W-6 021			1415	2'					Na ₂ S ₂ O ₃ : NaSO ₃	
CS-5W-7 021			1420	2'					Zn Acetate+NaOH: Zn	
CS-5W-8 021			1425	2'					NaOH+Ascorbic Acid: SAPC	
TS-02152022	W									

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 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

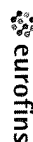
Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume 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
Jared Stadel	Eric Tovar	2-15-22 1452			

Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



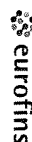
Environment Testing America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No:									
Client Contact:	Phone	Kramer Jessica			890-628 1									
Shipping/Receiving	E-Mail:	jessica.kramer@eurofins.net	State of Origin:	Page:	Page 1 of 2									
Company	Eurofins Environment Testing South Cent	Accreditations Required (See note):	Texas	Lab #	890-1952-1									
Address	1211 W. Florida Ave	Due Date Requested:	2/17/2022	Preservation Codes										
City	Midland	TAT Requested (days)		A. HCL	M. Hexane									
State, Zip	TX, 79701	PO #:		B. NaOH	N. None									
Phone	432-704-5440(Tel)	W/O #:		C. Zn Acetate	O. AsNaO2									
Email		Project #	88000402	D. Nitric Acid	P. Na2CO3									
Project Name	Battle Ave	SSOV#:		E. NaHSO4	Q. Na2SO3									
				F. MeOH	R. Na2S2O3									
				G. Amchlor	S. H2SO4									
				H. Ascorbic Acid	T. TSP Dodecylate									
				I. Ice	U. Acetone									
				J. DI Water	V. MCAA									
				K. EDTA	W. pH 4.5									
				L. EDA	Z. other (specify)									
				Other										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=overhead, ST=Stress, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	300_ORGFm_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	Total Number of containers	Special Instructions/Note:
CS-SW-1 2 (890-1952-1)	2/15/22	10 15	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-2 2 (890-1952-2)	2/15/22	08 05	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-3 2 (890-1952-3)	2/15/22	10 25	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-4 2 (890-1952-4)	2/15/22	14 00	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-4 6 (890-1952-5)	2/15/22	14 05	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-5 2 (890-1952-6)	2/15/22	14 10	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-6 2 (890-1952-7)	2/15/22	14 15	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-7 2 (890-1952-8)	2/15/22	14 20	Central	Solid		X	X	X	X	X	X	X	1	
CS-SW-8 2 (890-1952-9)	2/15/22	14 25	Central	Solid		X	X	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 out 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/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other institutions 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														
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.														
A Yes A No														

Eurofins Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1952-1

Login Number: 1952

List Number: 1

Creator: Clifton, Cloe

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.	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: 890-1952-1

Login Number: 1952

List Source: Eurofins Midland

List Number: 2

List Creation: 02/17/22 01:10 PM

Creator: Kramer, Jessica

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1952-1
Laboratory Sample Delivery Group: Jal NM
Client Project/Site: Battle Axe
Revision: 1

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/28/2022 7:31:24 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Laboratory Job ID: 890-1952-1
SDG: Jal NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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.

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.
α	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

Eurofins Carlsbad

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Job ID: 890-1952-1**Laboratory: Eurofins Carlsbad****Narrative**

Job Narrative
890-1952-1

REVISION

The report being provided is a revision of the original report sent on 2/21/2022. The report (revision 1) is being revised due to per client email, corrected sample IDs to match COC.

Report revision history

Receipt

The samples were received on 2/15/2022 4:52 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 1.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-20214 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: TB-02152022 (890-1952-10) and (CCV 880-20214/20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-SW-2 @ 2' (890-1952-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 880-19655 and analytical batch 880-19670 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-19655/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-19656 and analytical batch 880-19672 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS-SW-2 @ 2' (890-1952-2), CS-SW-3 @ 2' (890-1952-3), CS-SW-4 @ 2' (890-1952-4), CS-SW-4 @ 6' (890-1952-5), (880-11386-A-9-F MS) and (880-11386-A-9-G MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19767 and analytical batch 880-19833 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.

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Job ID: 890-1952-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-1 @ 2'

Lab Sample ID: 890-1952-1

Date Collected: 02/15/22 10:15

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/17/22 09:02	02/18/22 00:10	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/17/22 09:02	02/18/22 00:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/17/22 08:13	02/17/22 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	02/17/22 08:13	02/17/22 14:19	1
o-Terphenyl	78		70 - 130	02/17/22 08:13	02/17/22 14:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	502		4.97		mg/Kg			02/18/22 15:49	1

Client Sample ID: CS-SW-2 @ 2'

Lab Sample ID: 890-1952-2

Date Collected: 02/15/22 08:05

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 00:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/18/22 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	02/17/22 09:02	02/18/22 00:30	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-2 @ 2'

Lab Sample ID: 890-1952-2

Date Collected: 02/15/22 08:05

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	02/17/22 09:02	02/18/22 00:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/17/22 08:13	02/17/22 14:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 14:39	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/17/22 08:13	02/17/22 14:39	1
o-Terphenyl	73		70 - 130				02/17/22 08:13	02/17/22 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		4.98		mg/Kg			02/18/22 15:55	1

Client Sample ID: CS-SW-3 @ 2'

Lab Sample ID: 890-1952-3

Date Collected: 02/15/22 10:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/17/22 09:02	02/18/22 00:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/17/22 09:02	02/18/22 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/17/22 09:02	02/18/22 00:51	1
1,4-Difluorobenzene (Surr)	118		70 - 130	02/17/22 09:02	02/18/22 00:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/22 08:59	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-3 @ 2'

Lab Sample ID: 890-1952-3

Date Collected: 02/15/22 10:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		02/17/22 08:13	02/17/22 15:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 15:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 08:13	02/17/22 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/17/22 08:13	02/17/22 15:43	1
o-Terphenyl	76		70 - 130				02/17/22 08:13	02/17/22 15:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		25.0		mg/Kg			02/18/22 16:02	5

Client Sample ID: CS-SW-4 @ 2'

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/17/22 09:02	02/18/22 01:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/17/22 09:02	02/18/22 01:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				02/17/22 08:13	02/17/22 16:03	1
o-Terphenyl	67	S1-	70 - 130				02/17/22 08:13	02/17/22 16:03	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-4 @ 2'

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	456		5.05		mg/Kg			02/18/22 16:08	1

Client Sample ID: CS-SW-4 @ 6'

Lab Sample ID: 890-1952-5

Date Collected: 02/15/22 14:05

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				02/17/22 09:02	02/18/22 01:32	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/17/22 09:02	02/18/22 01:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	60	S1-	70 - 130				02/17/22 08:13	02/17/22 16:23	1
o-Terphenyl	66	S1-	70 - 130				02/17/22 08:13	02/17/22 16:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.1		5.00		mg/Kg			02/18/22 16:15	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-5 @ 2'

Lab Sample ID: 890-1952-6

Date Collected: 02/15/22 14:10

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/17/22 09:02	02/18/22 01:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/17/22 09:02	02/18/22 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/17/22 09:02	02/18/22 01:52	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/17/22 09:02	02/18/22 01:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:19	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	02/17/22 08:08	02/17/22 14:19	1
o-Terphenyl	106		70 - 130	02/17/22 08:08	02/17/22 14:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	128		25.3		mg/Kg			02/18/22 14:46	5

Client Sample ID: CS-SW-6 @ 2'

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/17/22 09:02	02/18/22 02:13	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/17/22 09:02	02/18/22 02:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	02/17/22 09:02	02/18/22 02:13	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-6 @ 2'

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	02/17/22 09:02	02/18/22 02:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				02/17/22 08:08	02/17/22 14:39	1
o-Terphenyl	120		70 - 130				02/17/22 08:08	02/17/22 14:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	325		4.98		mg/Kg			02/18/22 14:54	1

Client Sample ID: CS-SW-7 @ 2'

Lab Sample ID: 890-1952-8

Date Collected: 02/15/22 14:20

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
m-Xylene & p-Xylene	0.0107		0.00400		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:33	1
Xylenes, Total	0.0107		0.00400		mg/Kg		02/17/22 09:02	02/18/22 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130	02/17/22 09:02	02/18/22 02:33	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/17/22 09:02	02/18/22 02:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0107		0.00400		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/18/22 08:59	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-7 @ 2'

Lab Sample ID: 890-1952-8

Date Collected: 02/15/22 14:20

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 15:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 15:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				02/17/22 08:08	02/17/22 15:43	1
o-Terphenyl	106		70 - 130				02/17/22 08:08	02/17/22 15:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		4.96		mg/Kg			02/18/22 19:31	1

Client Sample ID: CS-SW-8 @ 2'

Lab Sample ID: 890-1952-9

Date Collected: 02/15/22 14:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/17/22 09:02	02/18/22 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				02/17/22 09:02	02/18/22 02:54	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/17/22 09:02	02/18/22 02:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/22 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/18/22 08:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/17/22 08:08	02/17/22 16:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/17/22 08:08	02/17/22 16:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/17/22 08:08	02/17/22 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				02/17/22 08:08	02/17/22 16:03	1
o-Terphenyl	117		70 - 130				02/17/22 08:08	02/17/22 16:03	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-8 @ 2'

Lab Sample ID: 890-1952-9

Date Collected: 02/15/22 14:25

Matrix: Solid

Date Received: 02/15/22 16:52

Sample Depth: 2

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	667		5.04		mg/Kg			02/18/22 19:37	1

Client Sample ID: TB-02152022

Lab Sample ID: 890-1952-10

Date Collected: 02/15/22 00:00

Matrix: Water

Date Received: 02/15/22 16:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			02/24/22 16:10	1
Toluene	<0.00200	U	0.00200		mg/L			02/24/22 16:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			02/24/22 16:10	1
m-Xylene & p-Xylene	<0.00400	U F1	0.00400		mg/L			02/24/22 16:10	1
o-Xylene	<0.00200	U F1	0.00200		mg/L			02/24/22 16:10	1
Xylenes, Total	<0.00400	U F1	0.00400		mg/L			02/24/22 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	207	S1+	70 - 130		02/24/22 16:10	1
1,4-Difluorobenzene (Surr)	72		70 - 130		02/24/22 16:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			02/28/22 18:47	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal 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)
820-3423-A-1-C MSD	Matrix Spike Duplicate	121	108
820-3423-A-1-E MS	Matrix Spike	112	92
890-1952-1	CS-SW-1 @ 2'	125	96
890-1952-2	CS-SW-2 @ 2'	138 S1+	102
890-1952-3	CS-SW-3 @ 2'	114	118
890-1952-4	CS-SW-4 @ 2'	121	98
890-1952-5	CS-SW-4 @ 6'	120	102
890-1952-6	CS-SW-5 @ 2'	129	101
890-1952-7	CS-SW-6 @ 2'	127	99
890-1952-8	CS-SW-7 @ 2'	132 S1+	107
890-1952-9	CS-SW-8 @ 2'	131 S1+	89
LCS 880-19666/1-A	Lab Control Sample	117	101
LCSD 880-19666/2-A	Lab Control Sample Dup	120	108
MB 880-19658/5-A	Method Blank	128	97
MB 880-19666/5-A	Method Blank	117	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)
890-1952-10	TB-02152022	207 S1+	72
890-1952-10 MS	TB-02152022	202 S1+	88
890-1952-10 MSD	TB-02152022	204 S1+	103
LCS 880-20214/3	Lab Control Sample	186 S1+	76
LCSD 880-20214/4	Lab Control Sample Dup	196 S1+	101
MB 880-20214/8	Method Blank	134 S1+	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)
880-11386-A-1-E MS	Matrix Spike	105	107
880-11386-A-1-F MSD	Matrix Spike Duplicate	88	95
880-11386-A-9-F MS	Matrix Spike	66 S1-	61 S1-
880-11386-A-9-G MSD	Matrix Spike Duplicate	66 S1-	60 S1-
890-1952-1	CS-SW-1 @ 2'	72	78
890-1952-2	CS-SW-2 @ 2'	68 S1-	73
890-1952-3	CS-SW-3 @ 2'	69 S1-	76
890-1952-4	CS-SW-4 @ 2'	61 S1-	67 S1-

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Surrogate Summary

Client: TRC Solutions, Inc.

Job ID: 890-1952-1

Project/Site: Battle Axe

SDG: Jal 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)
890-1952-5	CS-SW-4 @ 6'	60 S1-	66 S1-
890-1952-6	CS-SW-5 @ 2'	92	106
890-1952-7	CS-SW-6 @ 2'	105	120
890-1952-8	CS-SW-7 @ 2'	94	106
890-1952-9	CS-SW-8 @ 2'	105	117
LCS 880-19655/2-A	Lab Control Sample	110	124
LCS 880-19656/2-A	Lab Control Sample	108	109
LCSD 880-19655/3-A	Lab Control Sample Dup	114	127
LCSD 880-19656/3-A	Lab Control Sample Dup	106	105
MB 880-19655/1-A	Method Blank	110	133 S1+
MB 880-19656/1-A	Method Blank	73	81

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19658/5-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19658

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 08:20	02/17/22 11:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 08:20	02/17/22 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/17/22 08:20	02/17/22 11:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/17/22 08:20	02/17/22 11:45	1

Lab Sample ID: MB 880-19666/5-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/17/22 09:02	02/17/22 23:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/17/22 09:02	02/17/22 23:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/17/22 09:02	02/17/22 23:21	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/17/22 09:02	02/17/22 23:21	1

Lab Sample ID: LCS 880-19666/1-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08530		mg/Kg		85	70 - 130
Toluene	0.100	0.08771		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09755		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1823		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09789		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-19666/2-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08616		mg/Kg		86	70 - 130	1	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

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

Lab Sample ID: LCSD 880-19666/2-A

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08753		mg/Kg		88	70 - 130	0	35
Ethylbenzene	0.100	0.09740		mg/Kg		97	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1866		mg/Kg		93	70 - 130	2	35
o-Xylene	0.100	0.09535		mg/Kg		95	70 - 130	3	35

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

Lab Sample ID: 820-3423-A-1-C MSD

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08311		mg/Kg		83	70 - 130	12	35
Toluene	<0.00199	U	0.0996	0.08362		mg/Kg		84	70 - 130	14	35
Ethylbenzene	<0.00199	U	0.0996	0.09494		mg/Kg		95	70 - 130	17	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1745		mg/Kg		88	70 - 130	11	35
o-Xylene	<0.00199	U	0.0996	0.08224		mg/Kg		83	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 820-3423-A-1-E MS

Matrix: Solid

Analysis Batch: 19659

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.07340		mg/Kg		73	70 - 130		
Toluene	<0.00199	U	0.101	0.07237		mg/Kg		72	70 - 130		
Ethylbenzene	<0.00199	U	0.101	0.08037		mg/Kg		80	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1562		mg/Kg		77	70 - 130		
o-Xylene	<0.00199	U	0.101	0.07671		mg/Kg		76	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-20214/8

Matrix: Water

Analysis Batch: 20214

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
Toluene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			02/24/22 15:43	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

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

Lab Sample ID: MB 880-20214/8

Matrix: Water

Analysis Batch: 20214

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			02/24/22 15:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130					02/24/22 15:43	1
1,4-Difluorobenzene (Surr)	70		70 - 130					02/24/22 15:43	1

Lab Sample ID: LCS 880-20214/3

Matrix: Water

Analysis Batch: 20214

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	0.1029		mg/L		103	70 - 130
Toluene	0.100	0.1018		mg/L		102	70 - 130
Ethylbenzene	0.100	0.1089		mg/L		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2353		mg/L		118	70 - 130
o-Xylene	0.100	0.1202		mg/L		120	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	76		70 - 130				

Lab Sample ID: LCSD 880-20214/4

Matrix: Water

Analysis Batch: 20214

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	0.09689		mg/L		97	70 - 130	6	20
Toluene	0.100	0.1098		mg/L		110	70 - 130	8	20
Ethylbenzene	0.100	0.1180		mg/L		118	70 - 130	8	20
m-Xylene & p-Xylene	0.200	0.2490		mg/L		124	70 - 130	6	20
o-Xylene	0.100	0.1285		mg/L		129	70 - 130	7	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 890-1952-10 MS

Matrix: Water

Analysis Batch: 20214

Client Sample ID: TB-02152022

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	0.09782		mg/L		98	70 - 130
Toluene	<0.00200	U	0.100	0.1046		mg/L		105	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1139		mg/L		114	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.2434		mg/L		122	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.1241		mg/L		124	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

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

Lab Sample ID: 890-1952-10 MS

Matrix: Water

Analysis Batch: 20214

Client Sample ID: TB-02152022

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 890-1952-10 MSD

Matrix: Water

Analysis Batch: 20214

Client Sample ID: TB-02152022

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	0.1118		mg/L		112	70 - 130	13	25
Toluene	<0.00200	U	0.100	0.1174		mg/L		117	70 - 130	12	25
Ethylbenzene	<0.00200	U	0.100	0.1288		mg/L		129	70 - 130	12	25
m-Xylene & p-Xylene	<0.00400	U F1	0.200	0.2776	F1	mg/L		139	70 - 130	13	25
o-Xylene	<0.00200	U F1	0.100	0.1397	F1	mg/L		140	70 - 130	12	25

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	204	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-19655/1-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 09:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 09:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:08	02/17/22 09:55	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	110		70 - 130	02/17/22 08:08	02/17/22 09:55	1			
o-Terphenyl	133	S1+	70 - 130	02/17/22 08:08	02/17/22 09:55	1			

Lab Sample ID: LCS 880-19655/2-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1054		mg/Kg		105	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	124		70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

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

Lab Sample ID: LCSD 880-19655/3-A

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19655

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	907.6		mg/Kg		91	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	1000	1044		mg/Kg		104	70 - 130	6	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	114		70 - 130						
o-Terphenyl	127		70 - 130						

Lab Sample ID: 880-11386-A-1-E MS

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19655

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 F2	1000	1279		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1275		mg/Kg		126	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	105		70 - 130								
o-Terphenyl	107		70 - 130								

Lab Sample ID: 880-11386-A-1-F MSD

Matrix: Solid

Analysis Batch: 19670

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19655

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 F2	998	1011	F2	mg/Kg		97	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1108		mg/Kg		109	70 - 130	14	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	95		70 - 130								

Lab Sample ID: MB 880-19656/1-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 09:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 09:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/17/22 08:13	02/17/22 09:55	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

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

Lab Sample ID: MB 880-19656/1-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19656

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	02/17/22 08:13	02/17/22 09:55	1
o-Terphenyl	81		70 - 130	02/17/22 08:13	02/17/22 09:55	1

Lab Sample ID: LCS 880-19656/2-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1296		mg/Kg		130	70 - 130
Diesel Range Organics (Over C10-C28)	1000	974.5		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-19656/3-A

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19656

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	925.5	*1	mg/Kg		93	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	1000	937.1		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11386-A-9-F MS

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19656

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 *1 F1	1000	952.4		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	837.4		mg/Kg		81	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	66	S1-	70 - 130
o-Terphenyl	61	S1-	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

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

Lab Sample ID: 880-11386-A-9-G MSD

Matrix: Solid

Analysis Batch: 19672

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19656

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 *1 F1	998	1321	F1 F2	mg/Kg		132	70 - 130	32	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	866.5		mg/Kg		84	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	66	S1-	70 - 130								
o-Terphenyl	60	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19773/1-A

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 10:04	1

Lab Sample ID: LCS 880-19773/2-A

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	269.7		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-19773/3-A

Matrix: Solid

Analysis Batch: 19832

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	270.7		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-11404-A-11-H MS

Matrix: Solid

Analysis Batch: 19832

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	<4.95	U F1	248	292.6	F1	mg/Kg		117	90 - 110

Lab Sample ID: 880-11404-A-11-I MSD

Matrix: Solid

Analysis Batch: 19832

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	<4.95	U F1	248	284.4	F1	mg/Kg		114	90 - 110	3	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-19767/1-A

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 13:03	1

Lab Sample ID: LCS 880-19767/2-A

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.1		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-19767/3-A

Matrix: Solid

Analysis Batch: 19833

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	264.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-11389-A-10-G MS

Matrix: Solid

Analysis Batch: 19833

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	58.1	F1	250	371.4	F1	mg/Kg		125	90 - 110

Lab Sample ID: 880-11389-A-10-H MSD

Matrix: Solid

Analysis Batch: 19833

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	58.1	F1	250	369.9	F1	mg/Kg		125	90 - 110	0	20

Lab Sample ID: MB 880-19766/1-A

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/18/22 17:26	1

Lab Sample ID: LCS 880-19766/2-A

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	262.1		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-19766/3-A

Matrix: Solid

Analysis Batch: 19837

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	266.7		mg/Kg		107	90 - 110	2	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-11404-A-13-E MS

Matrix: Solid

Analysis Batch: 19837

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	25.3		250	277.1		mg/Kg		101	90 - 110		

Lab Sample ID: 880-11404-A-13-F MSD

Matrix: Solid

Analysis Batch: 19837

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	25.3		250	289.8		mg/Kg		106	90 - 110	4	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

GC VOA

Prep Batch: 19658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19658/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 19659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Total/NA	Solid	8021B	19666
890-1952-2	CS-SW-2 @ 2'	Total/NA	Solid	8021B	19666
890-1952-3	CS-SW-3 @ 2'	Total/NA	Solid	8021B	19666
890-1952-4	CS-SW-4 @ 2'	Total/NA	Solid	8021B	19666
890-1952-5	CS-SW-4 @ 6'	Total/NA	Solid	8021B	19666
890-1952-6	CS-SW-5 @ 2'	Total/NA	Solid	8021B	19666
890-1952-7	CS-SW-6 @ 2'	Total/NA	Solid	8021B	19666
890-1952-8	CS-SW-7 @ 2'	Total/NA	Solid	8021B	19666
890-1952-9	CS-SW-8 @ 2'	Total/NA	Solid	8021B	19666
MB 880-19658/5-A	Method Blank	Total/NA	Solid	8021B	19658
MB 880-19666/5-A	Method Blank	Total/NA	Solid	8021B	19666
LCS 880-19666/1-A	Lab Control Sample	Total/NA	Solid	8021B	19666
LCSD 880-19666/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19666
820-3423-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19666
820-3423-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	19666

Prep Batch: 19666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Total/NA	Solid	5035	
890-1952-2	CS-SW-2 @ 2'	Total/NA	Solid	5035	
890-1952-3	CS-SW-3 @ 2'	Total/NA	Solid	5035	
890-1952-4	CS-SW-4 @ 2'	Total/NA	Solid	5035	
890-1952-5	CS-SW-4 @ 6'	Total/NA	Solid	5035	
890-1952-6	CS-SW-5 @ 2'	Total/NA	Solid	5035	
890-1952-7	CS-SW-6 @ 2'	Total/NA	Solid	5035	
890-1952-8	CS-SW-7 @ 2'	Total/NA	Solid	5035	
890-1952-9	CS-SW-8 @ 2'	Total/NA	Solid	5035	
MB 880-19666/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19666/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19666/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-3423-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
820-3423-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 19821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-2	CS-SW-2 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-3	CS-SW-3 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-4	CS-SW-4 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-5	CS-SW-4 @ 6'	Total/NA	Solid	Total BTEX	
890-1952-6	CS-SW-5 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-7	CS-SW-6 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-8	CS-SW-7 @ 2'	Total/NA	Solid	Total BTEX	
890-1952-9	CS-SW-8 @ 2'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

GC VOA

Analysis Batch: 20214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-10	TB-02152022	Total/NA	Water	8021B	
MB 880-20214/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20214/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20214/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1952-10 MS	TB-02152022	Total/NA	Water	8021B	
890-1952-10 MSD	TB-02152022	Total/NA	Water	8021B	

Analysis Batch: 20556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-10	TB-02152022	Total/NA	Water	Total BTEX	

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Prep Batch: 19655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-7	CS-SW-6 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-8	CS-SW-7 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-9	CS-SW-8 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-19655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11386-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11386-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 19656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-2	CS-SW-2 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-3	CS-SW-3 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-4	CS-SW-4 @ 2'	Total/NA	Solid	8015NM Prep	
890-1952-5	CS-SW-4 @ 6'	Total/NA	Solid	8015NM Prep	
MB 880-19656/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19656/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11386-A-9-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11386-A-9-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 19670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 @ 2'	Total/NA	Solid	8015B NM	19655
890-1952-7	CS-SW-6 @ 2'	Total/NA	Solid	8015B NM	19655
890-1952-8	CS-SW-7 @ 2'	Total/NA	Solid	8015B NM	19655
890-1952-9	CS-SW-8 @ 2'	Total/NA	Solid	8015B NM	19655
MB 880-19655/1-A	Method Blank	Total/NA	Solid	8015B NM	19655
LCS 880-19655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19655
LCSD 880-19655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19655
880-11386-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	19655
880-11386-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19655

Eurofins Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

GC Semi VOA

Analysis Batch: 19672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Total/NA	Solid	8015B NM	19656
890-1952-2	CS-SW-2 @ 2'	Total/NA	Solid	8015B NM	19656
890-1952-3	CS-SW-3 @ 2'	Total/NA	Solid	8015B NM	19656
890-1952-4	CS-SW-4 @ 2'	Total/NA	Solid	8015B NM	19656
890-1952-5	CS-SW-4 @ 6'	Total/NA	Solid	8015B NM	19656
MB 880-19656/1-A	Method Blank	Total/NA	Solid	8015B NM	19656
LCS 880-19656/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19656
LCSD 880-19656/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19656
880-11386-A-9-F MS	Matrix Spike	Total/NA	Solid	8015B NM	19656
880-11386-A-9-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19656

Analysis Batch: 19790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Total/NA	Solid	8015 NM	
890-1952-2	CS-SW-2 @ 2'	Total/NA	Solid	8015 NM	
890-1952-3	CS-SW-3 @ 2'	Total/NA	Solid	8015 NM	
890-1952-4	CS-SW-4 @ 2'	Total/NA	Solid	8015 NM	
890-1952-5	CS-SW-4 @ 6'	Total/NA	Solid	8015 NM	
890-1952-6	CS-SW-5 @ 2'	Total/NA	Solid	8015 NM	
890-1952-7	CS-SW-6 @ 2'	Total/NA	Solid	8015 NM	
890-1952-8	CS-SW-7 @ 2'	Total/NA	Solid	8015 NM	
890-1952-9	CS-SW-8 @ 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-8	CS-SW-7 @ 2'	Soluble	Solid	DI Leach	
890-1952-9	CS-SW-8 @ 2'	Soluble	Solid	DI Leach	
MB 880-19766/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19766/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19766/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11404-A-13-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11404-A-13-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Soluble	Solid	DI Leach	
890-1952-2	CS-SW-2 @ 2'	Soluble	Solid	DI Leach	
890-1952-3	CS-SW-3 @ 2'	Soluble	Solid	DI Leach	
890-1952-4	CS-SW-4 @ 2'	Soluble	Solid	DI Leach	
890-1952-5	CS-SW-4 @ 6'	Soluble	Solid	DI Leach	
MB 880-19767/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19767/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19767/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11389-A-10-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11389-A-10-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 19773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 @ 2'	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

HPLC/IC (Continued)

Leach Batch: 19773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-7	CS-SW-6 @ 2'	Soluble	Solid	DI Leach	
MB 880-19773/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19773/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19773/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11404-A-11-H MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11404-A-11-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 19832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-6	CS-SW-5 @ 2'	Soluble	Solid	300.0	19773
890-1952-7	CS-SW-6 @ 2'	Soluble	Solid	300.0	19773
MB 880-19773/1-A	Method Blank	Soluble	Solid	300.0	19773
LCS 880-19773/2-A	Lab Control Sample	Soluble	Solid	300.0	19773
LCSD 880-19773/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19773
880-11404-A-11-H MS	Matrix Spike	Soluble	Solid	300.0	19773
880-11404-A-11-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19773

Analysis Batch: 19833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-1	CS-SW-1 @ 2'	Soluble	Solid	300.0	19767
890-1952-2	CS-SW-2 @ 2'	Soluble	Solid	300.0	19767
890-1952-3	CS-SW-3 @ 2'	Soluble	Solid	300.0	19767
890-1952-4	CS-SW-4 @ 2'	Soluble	Solid	300.0	19767
890-1952-5	CS-SW-4 @ 6'	Soluble	Solid	300.0	19767
MB 880-19767/1-A	Method Blank	Soluble	Solid	300.0	19767
LCS 880-19767/2-A	Lab Control Sample	Soluble	Solid	300.0	19767
LCSD 880-19767/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19767
880-11389-A-10-G MS	Matrix Spike	Soluble	Solid	300.0	19767
880-11389-A-10-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19767

Analysis Batch: 19837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1952-8	CS-SW-7 @ 2'	Soluble	Solid	300.0	19766
890-1952-9	CS-SW-8 @ 2'	Soluble	Solid	300.0	19766
MB 880-19766/1-A	Method Blank	Soluble	Solid	300.0	19766
LCS 880-19766/2-A	Lab Control Sample	Soluble	Solid	300.0	19766
LCSD 880-19766/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19766
880-11404-A-13-E MS	Matrix Spike	Soluble	Solid	300.0	19766
880-11404-A-13-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19766

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-1 @ 2'

Lab Sample ID: 890-1952-1

Date Collected: 02/15/22 10:15

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 00:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 15:49	CH	XEN MID

Client Sample ID: CS-SW-2 @ 2'

Lab Sample ID: 890-1952-2

Date Collected: 02/15/22 08:05

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 00:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 14:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 15:55	CH	XEN MID

Client Sample ID: CS-SW-3 @ 2'

Lab Sample ID: 890-1952-3

Date Collected: 02/15/22 10:25

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 00:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 15:43	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		5			19833	02/18/22 16:02	CH	XEN MID

Client Sample ID: CS-SW-4 @ 2'

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 01:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-4 @ 2'

Lab Sample ID: 890-1952-4

Date Collected: 02/15/22 14:00

Matrix: Solid

Date Received: 02/15/22 16:52

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			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 16:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 16:08	CH	XEN MID

Client Sample ID: CS-SW-4 @ 6'

Lab Sample ID: 890-1952-5

Date Collected: 02/15/22 14:05

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 01:32	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19656	02/17/22 08:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19672	02/17/22 16:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19767	02/17/22 21:43	CH	XEN MID
Soluble	Analysis	300.0		1			19833	02/18/22 16:15	CH	XEN MID

Client Sample ID: CS-SW-5 @ 2'

Lab Sample ID: 890-1952-6

Date Collected: 02/15/22 14:10

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 01:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 14:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		5			19832	02/18/22 14:46	CH	XEN MID

Client Sample ID: CS-SW-6 @ 2'

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 02:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 14:39	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Client Sample ID: CS-SW-6 @ 2'

Lab Sample ID: 890-1952-7

Date Collected: 02/15/22 14:15

Matrix: Solid

Date Received: 02/15/22 16:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	19773	02/17/22 21:46	CH	XEN MID
Soluble	Analysis	300.0		1			19832	02/18/22 14:54	CH	XEN MID

Client Sample ID: CS-SW-7 @ 2'

Lab Sample ID: 890-1952-8

Date Collected: 02/15/22 14:20

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 02:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 15:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 19:31	CH	XEN MID

Client Sample ID: CS-SW-8 @ 2'

Lab Sample ID: 890-1952-9

Date Collected: 02/15/22 14:25

Matrix: Solid

Date Received: 02/15/22 16:52

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	19666	02/17/22 09:02	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19659	02/18/22 02:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19821	02/18/22 12:36	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			19790	02/18/22 08:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19655	02/17/22 08:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19670	02/17/22 16:03	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19766	02/17/22 21:39	CH	XEN MID
Soluble	Analysis	300.0		1			19837	02/18/22 19:37	CH	XEN MID

Client Sample ID: TB-02152022

Lab Sample ID: 890-1952-10

Date Collected: 02/15/22 00:00

Matrix: Water

Date Received: 02/15/22 16:52

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	20214	02/24/22 16:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID

Laboratory References:

XEN 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: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1952-1
SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1952-1	CS-SW-1 @ 2'	Solid	02/15/22 10:15	02/15/22 16:52	2
890-1952-2	CS-SW-2 @ 2'	Solid	02/15/22 08:05	02/15/22 16:52	2
890-1952-3	CS-SW-3 @ 2'	Solid	02/15/22 10:25	02/15/22 16:52	2
890-1952-4	CS-SW-4 @ 2'	Solid	02/15/22 14:00	02/15/22 16:52	2
890-1952-5	CS-SW-4 @ 6'	Solid	02/15/22 14:05	02/15/22 16:52	6
890-1952-6	CS-SW-5 @ 2'	Solid	02/15/22 14:10	02/15/22 16:52	2
890-1952-7	CS-SW-6 @ 2'	Solid	02/15/22 14:15	02/15/22 16:52	2
890-1952-8	CS-SW-7 @ 2'	Solid	02/15/22 14:20	02/15/22 16:52	2
890-1952-9	CS-SW-8 @ 2'	Solid	02/15/22 14:25	02/15/22 16:52	2
890-1952-10	TB-02152022	Water	02/15/22 00:00	02/15/22 16:52	



Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Jared Stadel	Bill to: (if different)	Eric Tovar
Company Name:	TRC	Company Name:	Conoco Phillips
Address:	10000 Dwyer Dr.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared.Stadel@conocoPhillips.com

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

Project Name:	Battle Axe	Turn Around	☐ Routine ☒ Rush	Pres. Code	24 hrs
Project Number:	TRC NM	Due Date:			
Project Location:	Mist Bayport	TAT starts the day received by the lab, if received by 4:30pm			
Sample's Name:	Mist Bayport				
P.O. #:					
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No			
Samples Received Intact:	Yes ☒ No ☒ N/A	Thermometer ID: 7100-003			
Cooler Custody Seals:	Yes ☒ No ☒ N/A	Correction Factor: -0.2			
Sample Custody Seals:	Yes ☒ No ☒ N/A	Temperature Reading: 1.0			
Total Containers:		Corrected Temperature: 1.0			



890-1952 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TP	BTEX	Chk	Sample Comments
CS-5W-1 021	S	2/15/22	1015	2'	C	1	X	X	X	
CS-5W-2 021			0805	2'			X	X	X	
CS-5W-3 021			1025	2'			X	X	X	
CS-5W-4 021			1400	2'			X	X	X	
CS-5W-4 061			1405	6'			X	X	X	
CS-5W-5 021			1410	2'			X	X	X	
CS-5W-6 021			1415	2'			X	X	X	
CS-5W-7 021			1420	2'			X	X	X	
CS-5W-8 021			1425	2'			X	X	X	
TS-02152022	W	W					X	X	X	

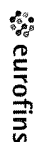
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Jared Stadel	Eric Tovar	2-15-22 1452			

Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



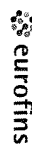
Environment Testing America

Client Information (Sub Contract Lab)						Sampler	Lab PM	Carrier Tracking No(s)	COC No.
Client Contact						Kramer Jessica			890-628 1
Shipping/Receiving						E-Mail: jessica.kramer@eurofins.com	State of Origin:	Page:	Page 1 of 2
Eurofins Environment Testing South Cent						Accreditations Required (See note): NELAP - Texas	Texas	Job #	890-1952-1
Address 1211 W Florida Ave						Date Requested: 2/17/2022			
City Midland						TAT Requested (days) TAT Requested (days)			
State Zip TX, 79701						PO # WFO #			
Phone 432-704-5440(Tel)						Project Name Battle Axe	Project # 88000402		
Email						SSOW#			
Sample Identification - Client ID (Lab ID)						Field Filtered Sample (Yes or No)			
						Perform MS/MSD (Yes or No)			
CS-SW-1 2 (890-1952-1)						8015MOD_NM/8015NM_S_Prep Full TPH			
CS-SW-2 2 (890-1952-2)						8021B/5035FP_Calc BTEX - LL			
CS-SW-3 2 (890-1952-3)						300_ORGFWM_28D/DI_LEACH Chloride			
CS-SW-4 2 (890-1952-4)						8015MOD_Calc			
CS-SW-4 6 (890-1952-5)						Total_BTEX_GCV			
CS-SW-5 2 (890-1952-6)									
CS-SW-6 2 (890-1952-7)									
CS-SW-7 2 (890-1952-8)									
CS-SW-8 2 (890-1952-9)									
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/test/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			
Empty Kit Relinquished by						Date			
Relinquished by: [Signature]						Received by: [Signature]			
Relinquished by:						Received by:			
Relinquished by:						Received by:			
Custody Seals Intact.						Cooler Temperature(s) °C and Other Remarks.			
Δ Yes Δ No									

Eurofins Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1952-1

SDG Number: Jal NM

Login Number: 1952**List Number: 1****Creator: Clifton, Cloe****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.	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: 890-1952-1

SDG Number: Jal NM

Login Number: 1952**List Number: 2****Creator: Kramer, Jessica****List Source: Eurofins Midland****List Creation: 02/17/22 01:10 PM**

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1971-1
Laboratory Sample Delivery Group: Jal NM
Client Project/Site: Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/25/2022 9:16:56 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Laboratory Job ID: 890-1971-1
SDG: Jal NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Job ID: 890-1971-1

Laboratory: Eurofins Carlsbad**Narrative**

**Job Narrative
890-1971-1****Receipt**

The samples were received on 2/17/2022 4:16 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 0.8°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-1971-A-1-D MSD). 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.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 @ 6'

Lab Sample ID: 890-1971-1

Date Collected: 02/17/22 12:00

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 16:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 16:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 16:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/22/22 14:29	02/24/22 16:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/22/22 14:29	02/24/22 16:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/22/22 14:29	02/24/22 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	02/22/22 14:29	02/24/22 16:32	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/22/22 14:29	02/24/22 16:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/22 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 12:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	02/21/22 08:32	02/21/22 12:24	1
o-Terphenyl	74		70 - 130	02/21/22 08:32	02/21/22 12:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		5.00		mg/Kg			02/21/22 14:46	1

Client Sample ID: CS-SW-6 @ 10'

Lab Sample ID: 890-1971-2

Date Collected: 02/17/22 12:05

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 16:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 16:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 16:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/22/22 14:29	02/24/22 16:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 16:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/22/22 14:29	02/24/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/22/22 14:29	02/24/22 16:52	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 @ 10'

Lab Sample ID: 890-1971-2

Date Collected: 02/17/22 12:05

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 10

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	02/22/22 14:29	02/24/22 16:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/22 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 13:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/21/22 08:32	02/21/22 13:27	1
o-Terphenyl	79		70 - 130				02/21/22 08:32	02/21/22 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		4.99		mg/Kg			02/21/22 13:25	1

Client Sample ID: CS-SW-6 @ 14'

Lab Sample ID: 890-1971-3

Date Collected: 02/17/22 12:10

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 17:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 17:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 17:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/22/22 14:29	02/24/22 17:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 17:13	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/22/22 14:29	02/24/22 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/22/22 14:29	02/24/22 17:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/22/22 14:29	02/24/22 17:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/24/22 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 15:50	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 @ 14'

Lab Sample ID: 890-1971-3

Date Collected: 02/17/22 12:10

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/21/22 08:32	02/21/22 13:48	1
o-Terphenyl	84		70 - 130				02/21/22 08:32	02/21/22 13:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.95		mg/Kg			02/21/22 13:34	1

Client Sample ID: CS-SW-3 @ 6'

Lab Sample ID: 890-1971-4

Date Collected: 02/17/22 12:15

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:33	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/22/22 14:29	02/24/22 17:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/22/22 14:29	02/24/22 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				02/22/22 14:29	02/24/22 17:33	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/22/22 14:29	02/24/22 17:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/22 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/21/22 08:32	02/21/22 14:09	1
o-Terphenyl	75		70 - 130				02/21/22 08:32	02/21/22 14:09	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-3 @ 6'

Lab Sample ID: 890-1971-4

Date Collected: 02/17/22 12:15

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 6

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		5.04		mg/Kg			02/21/22 13:43	1

Client Sample ID: CS-SW-3 @ 10'

Lab Sample ID: 890-1971-5

Date Collected: 02/17/22 14:30

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 10

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:54	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/22/22 14:29	02/24/22 17:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/22/22 14:29	02/24/22 17:54	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/22/22 14:29	02/24/22 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/22/22 14:29	02/24/22 17:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/22/22 14:29	02/24/22 17:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/24/22 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/21/22 08:32	02/21/22 14:30	1
o-Terphenyl	80		70 - 130				02/21/22 08:32	02/21/22 14:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			02/21/22 13:52	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-3 @ 14'

Lab Sample ID: 890-1971-6

Date Collected: 02/17/22 14:35

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 20:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/22/22 14:29	02/24/22 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 20:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/22/22 14:29	02/24/22 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/22/22 14:29	02/24/22 20:19	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/22/22 14:29	02/24/22 20:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/22 21:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	02/21/22 08:32	02/21/22 14:51	1
o-Terphenyl	86		70 - 130	02/21/22 08:32	02/21/22 14:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			02/21/22 14:19	1

Client Sample ID: TB-02172022

Lab Sample ID: 890-1971-7

Date Collected: 02/17/22 00:00

Matrix: Water

Date Received: 02/17/22 16:16

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<2.00	U	2.00		ug/L			02/25/22 17:04	1
Ethylbenzene	<2.00	U	2.00		ug/L			02/25/22 17:04	1
Toluene	<2.00	U	2.00		ug/L			02/25/22 17:04	1
Xylenes, Total	<4.00	U	4.00		ug/L			02/25/22 17:04	1
m-Xylene & p-Xylene	<4.00	U	4.00		ug/L			02/25/22 17:04	1
o-Xylene	<2.00	U	2.00		ug/L			02/25/22 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130		02/25/22 17:04	1
1,4-Difluorobenzene (Surr)	100		70 - 130		02/25/22 17:04	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: TB-02172022
Date Collected: 02/17/22 00:00
Date Received: 02/17/22 16:16

Lab Sample ID: 890-1971-7
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			02/25/22 20:55	1

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

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal 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)
890-1938-A-6-Q MS	Matrix Spike	110	84
890-1938-A-6-R MSD	Matrix Spike Duplicate	146 S1+	105
890-1971-1	CS-SW-6 @ 6'	120	98
890-1971-2	CS-SW-6 @ 10'	108	95
890-1971-3	CS-SW-6 @ 14'	115	98
890-1971-4	CS-SW-3 @ 6'	115	88
890-1971-5	CS-SW-3 @ 10'	112	101
890-1971-6	CS-SW-3 @ 14'	106	107
LCS 880-20055/1-A	Lab Control Sample	97	102
LCSD 880-20055/2-A	Lab Control Sample Dup	99	96
MB 880-20055/5-A	Method Blank	112	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)
880-11347-C-1 MS	Matrix Spike	99	100
880-11347-C-1 MSD	Matrix Spike Duplicate	97	99
890-1971-7	TB-02172022	107	100
LCS 880-20288/3	Lab Control Sample	88	114
LCSD 880-20288/4	Lab Control Sample Dup	101	101
MB 880-20288/8	Method Blank	94	98
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)
890-1971-1	CS-SW-6 @ 6'	72	74
890-1971-1 MS	CS-SW-6 @ 6'	71	78
890-1971-1 MSD	CS-SW-6 @ 6'	71	67 S1-
890-1971-2	CS-SW-6 @ 10'	80	79
890-1971-3	CS-SW-6 @ 14'	83	84
890-1971-4	CS-SW-3 @ 6'	72	75
890-1971-5	CS-SW-3 @ 10'	74	80
890-1971-6	CS-SW-3 @ 14'	86	86
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19894/2-A	Lab Control Sample	96	100
LCSD 880-19894/3-A	Lab Control Sample Dup	88	104
MB 880-19894/1-A	Method Blank	79	86
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20055/5-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/22/22 14:29	02/24/22 15:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/22/22 14:29	02/24/22 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/22/22 14:29	02/24/22 15:28	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/22/22 14:29	02/24/22 15:28	1

Lab Sample ID: LCS 880-20055/1-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1006		mg/Kg		101	70 - 130
Toluene	0.100	0.09671		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2109		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-20055/2-A

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1068		mg/Kg		107	70 - 130	0	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	2	35
Toluene	0.100	0.09998		mg/Kg		100	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2139		mg/Kg		107	70 - 130	1	35
o-Xylene	0.100	0.1053		mg/Kg		105	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-1938-A-6-Q MS

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1 F2	0.101	0.06098	F1	mg/Kg		60	70 - 130
Ethylbenzene	<0.00199	U F1 F2	0.101	0.06353	F1	mg/Kg		63	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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

Lab Sample ID: 890-1938-A-6-Q MS

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U F1 F2	0.101	0.06528	F1	mg/Kg		65	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.202	0.1305	F1	mg/Kg		65	70 - 130
o-Xylene	<0.00199	U F1 F2	0.101	0.06620	F1	mg/Kg		66	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: 890-1938-A-6-R MSD

Matrix: Solid

Analysis Batch: 20204

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.0998	0.007909	F1 F2	mg/Kg		8	70 - 130	154	35
Ethylbenzene	<0.00199	U F1 F2	0.0998	0.006139	F1 F2	mg/Kg		6	70 - 130	165	35
Toluene	<0.00199	U F1 F2	0.0998	<0.00200	U F1 F2	mg/Kg		2	70 - 130	189	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.009017	F1 F2	mg/Kg		5	70 - 130	174	35
o-Xylene	<0.00199	U F1 F2	0.0998	0.003313	F1 F2	mg/Kg		3	70 - 130	181	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-20288/8

Matrix: Water

Analysis Batch: 20288

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<2.00	U	2.00		ug/L			02/25/22 11:41	1
Ethylbenzene	<2.00	U	2.00		ug/L			02/25/22 11:41	1
Toluene	<2.00	U	2.00		ug/L			02/25/22 11:41	1
m-Xylene & p-Xylene	<4.00	U	4.00		ug/L			02/25/22 11:41	1
o-Xylene	<2.00	U	2.00		ug/L			02/25/22 11:41	1
Xylenes, Total	<4.00	U	4.00		ug/L			02/25/22 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		02/25/22 11:41	1
1,4-Difluorobenzene (Surr)	98		70 - 130		02/25/22 11:41	1

Lab Sample ID: LCS 880-20288/3

Matrix: Water

Analysis Batch: 20288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	100	120.9		ug/L		121	70 - 130
Ethylbenzene	100	100.0		ug/L		100	70 - 130
Toluene	100	109.8		ug/L		110	70 - 130
m-Xylene & p-Xylene	200	205.7		ug/L		103	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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

Lab Sample ID: LCS 880-20288/3

Matrix: Water

Analysis Batch: 20288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	100	126.0		ug/L		126	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Lab Sample ID: LCSD 880-20288/4

Matrix: Water

Analysis Batch: 20288

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	100	101.9		ug/L		102	70 - 130	17	20
Ethylbenzene	100	98.25		ug/L		98	70 - 130	2	20
Toluene	100	96.16		ug/L		96	70 - 130	13	20
m-Xylene & p-Xylene	200	227.5		ug/L		114	70 - 130	10	20
o-Xylene	100	111.1		ug/L		111	70 - 130	13	20

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

Lab Sample ID: 880-11347-C-1 MS

Matrix: Water

Analysis Batch: 20288

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	<2.00	U	100	103.0		ug/L		103	70 - 130
Ethylbenzene	<2.00	U	100	98.14		ug/L		98	70 - 130
Toluene	<2.00	U	100	96.89		ug/L		97	70 - 130
m-Xylene & p-Xylene	<4.00	U	200	227.2		ug/L		114	70 - 130
o-Xylene	<2.00	U	100	111.4		ug/L		111	70 - 130

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

Lab Sample ID: 880-11347-C-1 MSD

Matrix: Water

Analysis Batch: 20288

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	<2.00	U	100	97.51		ug/L		98	70 - 130	6	25
Ethylbenzene	<2.00	U	100	94.86		ug/L		95	70 - 130	3	25
Toluene	<2.00	U	100	93.08		ug/L		93	70 - 130	4	25
m-Xylene & p-Xylene	<4.00	U	200	220.8		ug/L		110	70 - 130	3	25
o-Xylene	<2.00	U	100	108.1		ug/L		108	70 - 130	3	25

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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

Lab Sample ID: 880-11347-C-1 MSD

Matrix: Water

Analysis Batch: 20288

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-19894/1-A

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19894

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	79		70 - 130				02/21/22 08:32	02/21/22 11:22	1	
o-Terphenyl	86		70 - 130				02/21/22 08:32	02/21/22 11:22	1	

Lab Sample ID: LCS 880-19894/2-A

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19894

			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	832.2		mg/Kg		83	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	791.6		mg/Kg		79	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	96		70 - 130							
o-Terphenyl	100		70 - 130							

Lab Sample ID: LCSD 880-19894/3-A

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19894

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	812.8		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	829.3		mg/Kg		83	70 - 130	5	20
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	88		70 - 130								
o-Terphenyl	104		70 - 130								

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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

Lab Sample ID: 890-1971-1 MS

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: CS-SW-6 @ 6'

Prep Type: Total/NA

Prep Batch: 19894

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	993.5		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1190		mg/Kg		119	70 - 130		

Lab Sample ID: 890-1971-1 MSD

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: CS-SW-6 @ 6'

Prep Type: Total/NA

Prep Batch: 19894

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	998	1028		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1177		mg/Kg		118	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	71		70 - 130								
o-Terphenyl	67	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19895/1-A

Matrix: Solid

Analysis Batch: 19934

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/21/22 12:32	1

Lab Sample ID: LCS 880-19895/2-A

Matrix: Solid

Analysis Batch: 19934

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-19895/3-A

Matrix: Solid

Analysis Batch: 19934

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	244.7		mg/Kg		98	90 - 110	1	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1971-1 MS					Client Sample ID: CS-SW-6 @ 6'				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 19934									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	90.9		250	354.1		mg/Kg		105	90 - 110

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

GC VOA

Prep Batch: 20055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Total/NA	Solid	5035	
890-1971-2	CS-SW-6 @ 10'	Total/NA	Solid	5035	
890-1971-3	CS-SW-6 @ 14'	Total/NA	Solid	5035	
890-1971-4	CS-SW-3 @ 6'	Total/NA	Solid	5035	
890-1971-5	CS-SW-3 @ 10'	Total/NA	Solid	5035	
890-1971-6	CS-SW-3 @ 14'	Total/NA	Solid	5035	
MB 880-20055/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20055/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20055/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1938-A-6-Q MS	Matrix Spike	Total/NA	Solid	5035	
890-1938-A-6-R MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Total/NA	Solid	8021B	20055
890-1971-2	CS-SW-6 @ 10'	Total/NA	Solid	8021B	20055
890-1971-3	CS-SW-6 @ 14'	Total/NA	Solid	8021B	20055
890-1971-4	CS-SW-3 @ 6'	Total/NA	Solid	8021B	20055
890-1971-5	CS-SW-3 @ 10'	Total/NA	Solid	8021B	20055
890-1971-6	CS-SW-3 @ 14'	Total/NA	Solid	8021B	20055
MB 880-20055/5-A	Method Blank	Total/NA	Solid	8021B	20055
LCS 880-20055/1-A	Lab Control Sample	Total/NA	Solid	8021B	20055
LCSD 880-20055/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20055
890-1938-A-6-Q MS	Matrix Spike	Total/NA	Solid	8021B	20055
890-1938-A-6-R MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20055

Analysis Batch: 20284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Total/NA	Solid	Total BTEX	
890-1971-2	CS-SW-6 @ 10'	Total/NA	Solid	Total BTEX	
890-1971-3	CS-SW-6 @ 14'	Total/NA	Solid	Total BTEX	
890-1971-4	CS-SW-3 @ 6'	Total/NA	Solid	Total BTEX	
890-1971-5	CS-SW-3 @ 10'	Total/NA	Solid	Total BTEX	
890-1971-6	CS-SW-3 @ 14'	Total/NA	Solid	Total BTEX	

Analysis Batch: 20288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-7	TB-02172022	Total/NA	Water	8021B	
MB 880-20288/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20288/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20288/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-11347-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-11347-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 20375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-7	TB-02172022	Total/NA	Water	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

GC Semi VOA

Analysis Batch: 19888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Total/NA	Solid	8015B NM	19894
890-1971-2	CS-SW-6 @ 10'	Total/NA	Solid	8015B NM	19894
890-1971-3	CS-SW-6 @ 14'	Total/NA	Solid	8015B NM	19894
890-1971-4	CS-SW-3 @ 6'	Total/NA	Solid	8015B NM	19894
890-1971-5	CS-SW-3 @ 10'	Total/NA	Solid	8015B NM	19894
890-1971-6	CS-SW-3 @ 14'	Total/NA	Solid	8015B NM	19894
MB 880-19894/1-A	Method Blank	Total/NA	Solid	8015B NM	19894
LCS 880-19894/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19894
LCSD 880-19894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19894
890-1971-1 MS	CS-SW-6 @ 6'	Total/NA	Solid	8015B NM	19894
890-1971-1 MSD	CS-SW-6 @ 6'	Total/NA	Solid	8015B NM	19894

Prep Batch: 19894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Total/NA	Solid	8015NM Prep	
890-1971-2	CS-SW-6 @ 10'	Total/NA	Solid	8015NM Prep	
890-1971-3	CS-SW-6 @ 14'	Total/NA	Solid	8015NM Prep	
890-1971-4	CS-SW-3 @ 6'	Total/NA	Solid	8015NM Prep	
890-1971-5	CS-SW-3 @ 10'	Total/NA	Solid	8015NM Prep	
890-1971-6	CS-SW-3 @ 14'	Total/NA	Solid	8015NM Prep	
MB 880-19894/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19894/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1971-1 MS	CS-SW-6 @ 6'	Total/NA	Solid	8015NM Prep	
890-1971-1 MSD	CS-SW-6 @ 6'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Total/NA	Solid	8015 NM	
890-1971-2	CS-SW-6 @ 10'	Total/NA	Solid	8015 NM	
890-1971-3	CS-SW-6 @ 14'	Total/NA	Solid	8015 NM	
890-1971-4	CS-SW-3 @ 6'	Total/NA	Solid	8015 NM	
890-1971-5	CS-SW-3 @ 10'	Total/NA	Solid	8015 NM	
890-1971-6	CS-SW-3 @ 14'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Soluble	Solid	DI Leach	
890-1971-2	CS-SW-6 @ 10'	Soluble	Solid	DI Leach	
890-1971-3	CS-SW-6 @ 14'	Soluble	Solid	DI Leach	
890-1971-4	CS-SW-3 @ 6'	Soluble	Solid	DI Leach	
890-1971-5	CS-SW-3 @ 10'	Soluble	Solid	DI Leach	
890-1971-6	CS-SW-3 @ 14'	Soluble	Solid	DI Leach	
MB 880-19895/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19895/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19895/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1971-1 MS	CS-SW-6 @ 6'	Soluble	Solid	DI Leach	
890-1971-1 MSD	CS-SW-6 @ 6'	Soluble	Solid	DI Leach	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

HPLC/IC

Analysis Batch: 19934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 @ 6'	Soluble	Solid	300.0	19895
890-1971-2	CS-SW-6 @ 10'	Soluble	Solid	300.0	19895
890-1971-3	CS-SW-6 @ 14'	Soluble	Solid	300.0	19895
890-1971-4	CS-SW-3 @ 6'	Soluble	Solid	300.0	19895
890-1971-5	CS-SW-3 @ 10'	Soluble	Solid	300.0	19895
890-1971-6	CS-SW-3 @ 14'	Soluble	Solid	300.0	19895
MB 880-19895/1-A	Method Blank	Soluble	Solid	300.0	19895
LCS 880-19895/2-A	Lab Control Sample	Soluble	Solid	300.0	19895
LCSD 880-19895/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19895
890-1971-1 MS	CS-SW-6 @ 6'	Soluble	Solid	300.0	19895
890-1971-1 MSD	CS-SW-6 @ 6'	Soluble	Solid	300.0	19895

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 @ 6'

Lab Sample ID: 890-1971-1

Date Collected: 02/17/22 12:00

Matrix: Solid

Date Received: 02/17/22 16:16

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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 16:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20284	02/24/22 21:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 12:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 14:46	CH	XEN MID

Client Sample ID: CS-SW-6 @ 10'

Lab Sample ID: 890-1971-2

Date Collected: 02/17/22 12:05

Matrix: Solid

Date Received: 02/17/22 16:16

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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 16:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20284	02/24/22 21:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:25	CH	XEN MID

Client Sample ID: CS-SW-6 @ 14'

Lab Sample ID: 890-1971-3

Date Collected: 02/17/22 12:10

Matrix: Solid

Date Received: 02/17/22 16:16

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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 17:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20284	02/24/22 21:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 13:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:34	CH	XEN MID

Client Sample ID: CS-SW-3 @ 6'

Lab Sample ID: 890-1971-4

Date Collected: 02/17/22 12:15

Matrix: Solid

Date Received: 02/17/22 16:16

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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 17:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20284	02/24/22 21:09	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-3 @ 6'

Lab Sample ID: 890-1971-4

Date Collected: 02/17/22 12:15

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 14:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:43	CH	XEN MID

Client Sample ID: CS-SW-3 @ 10'

Lab Sample ID: 890-1971-5

Date Collected: 02/17/22 14:30

Matrix: Solid

Date Received: 02/17/22 16:16

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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 17:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20284	02/24/22 21:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 14:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:52	CH	XEN MID

Client Sample ID: CS-SW-3 @ 14'

Lab Sample ID: 890-1971-6

Date Collected: 02/17/22 14:35

Matrix: Solid

Date Received: 02/17/22 16:16

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	20055	02/22/22 14:29	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20204	02/24/22 20:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20284	02/24/22 21:09	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 14:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 14:19	CH	XEN MID

Client Sample ID: TB-02172022

Lab Sample ID: 890-1971-7

Date Collected: 02/17/22 00:00

Matrix: Water

Date Received: 02/17/22 16:16

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	20288	02/25/22 17:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20375	02/25/22 20:55	AJ	XEN MID

Laboratory References:

XEN 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: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1971-1	CS-SW-6 @ 6'	Solid	02/17/22 12:00	02/17/22 16:16	6
890-1971-2	CS-SW-6 @ 10'	Solid	02/17/22 12:05	02/17/22 16:16	10
890-1971-3	CS-SW-6 @ 14'	Solid	02/17/22 12:10	02/17/22 16:16	14
890-1971-4	CS-SW-3 @ 6'	Solid	02/17/22 12:15	02/17/22 16:16	6
890-1971-5	CS-SW-3 @ 10'	Solid	02/17/22 14:30	02/17/22 16:16	10
890-1971-6	CS-SW-3 @ 14'	Solid	02/17/22 14:35	02/17/22 16:16	14
890-1971-7	TB-02172022	Water	02/17/22 00:00	02/17/22 16:16	



Environment Testing

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) 794-1266
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

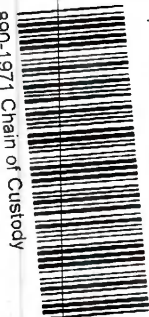
Work Order No: _____

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Project Manager:	Jared Stettin	Bill to: (if different)	Eric Taylor
Company Name:	TEC	Company Name:	Conoco Phillips
Address:	10 Desk Dr	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared.McStettin@xenco.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NM
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EFD ☐ ADAPT ☐ Other: _____

Project Name:	Battle Axl	Turn Around:	☐ Routine ☒ Rush 24 hr	Pres. Code	
Project Number:	ITC1 NM	Due Date:			
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm			
P.O. #:					
SAMPLE RECEIPT		Temp Blank:	☒ Yes ☐ No	Thermometer ID:	7NM-003
Samples Received Intact:	☒ Yes ☐ No	Correction Factor:	-0.2		
Cooler Custody Seals:	☒ Yes ☐ No	Temperature Reading:	1.0		
Sample Custody Seals:	☒ Yes ☐ No	Corrected Temperature:	0.8		
Total Containers:					



890-1971 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
CS-SW-6 @ 6'	S	2/17/22	1200	6'	C	1	X JPM 8015M	None: NO	DI Water: H ₂ O
CS-SW-6 @ 10'			1205	10'			X BTEX 8021B	Cool: Cool	MeOH: Me
CS-SW-6 @ 14'			1210	14'			X Chloride	HCL: HC	HNO ₃ : HN
CS-SW-3 @ 6'			1215	6'				H ₂ SO ₄ : H ₂	NaOH: Na
CS-SW-3 @ 10'			1430	10'					
CS-SW-3 @ 14'			1435	14'					
TB-02172022	W					2			

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas T1 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SiO₂ 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

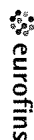
Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume 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
Misti Bryant	Eric Taylor	2.17.22 16:16			

Eurofins Carlsbad

1089 N Canal St
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



**Environment Testing
America**

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1971-1

SDG Number: Jal NM

Login Number: 1971

List Number: 1

Creator: Clifton, Cloe

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.	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: 890-1971-1

SDG Number: Jal NM

Login Number: 1971

List Number: 2

Creator: Teel, Brianna

List Source: Eurofins Midland

List Creation: 02/21/22 08:09 AM

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1971-1
Laboratory Sample Delivery Group: Jal NM
Client Project/Site: Battle Axe

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

Attn: Jared Stoffel

Authorized for release by:
2/24/2022 10:17:40 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Laboratory Job ID: 890-1971-1
SDG: Jal NM

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Preliminary Data

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

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/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Job ID: 890-1971-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-1971-1

Receipt

The samples were received on 2/17/2022 4:16 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 0.8°C

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-1971-A-1-D MSD). 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.

Preliminary Data

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 6

Lab Sample ID: 890-1971-1

Date Collected: 02/17/22 12:00

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 12:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 12:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 12:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	02/21/22 08:32	02/21/22 12:24	1
o-Terphenyl	74		70 - 130	02/21/22 08:32	02/21/22 12:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.9		5.00		mg/Kg			02/21/22 14:46	1

Client Sample ID: CS-SW-6 10

Lab Sample ID: 890-1971-2

Date Collected: 02/17/22 12:05

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 13:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 13:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 13:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	02/21/22 08:32	02/21/22 13:27	1
o-Terphenyl	79		70 - 130	02/21/22 08:32	02/21/22 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0		4.99		mg/Kg			02/21/22 13:25	1

Client Sample ID: CS-SW-6 14

Lab Sample ID: 890-1971-3

Date Collected: 02/17/22 12:10

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 15:50	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 14

Lab Sample ID: 890-1971-3

Date Collected: 02/17/22 12:10

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 13:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 13:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/21/22 08:32	02/21/22 13:48	1
o-Terphenyl	84		70 - 130				02/21/22 08:32	02/21/22 13:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	163		4.95		mg/Kg			02/21/22 13:34	1

Client Sample ID: CS-SW-3 6

Lab Sample ID: 890-1971-4

Date Collected: 02/17/22 12:15

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 14:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 14:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/21/22 08:32	02/21/22 14:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/21/22 08:32	02/21/22 14:09	1
o-Terphenyl	75		70 - 130				02/21/22 08:32	02/21/22 14:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		5.04		mg/Kg			02/21/22 13:43	1

Client Sample ID: CS-SW-3 10

Lab Sample ID: 890-1971-5

Date Collected: 02/17/22 14:30

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:30	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-3 10

Lab Sample ID: 890-1971-5

Date Collected: 02/17/22 14:30

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				02/21/22 08:32	02/21/22 14:30	1
o-Terphenyl	80		70 - 130				02/21/22 08:32	02/21/22 14:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.98	U	4.98		mg/Kg			02/21/22 13:52	1

Client Sample ID: CS-SW-3 14

Lab Sample ID: 890-1971-6

Date Collected: 02/17/22 14:35

Matrix: Solid

Date Received: 02/17/22 16:16

Sample Depth: 14

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 14:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				02/21/22 08:32	02/21/22 14:51	1
o-Terphenyl	86		70 - 130				02/21/22 08:32	02/21/22 14:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97		mg/Kg			02/21/22 14:19	1

Eurofins Carlsbad

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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)
890-1971-1	CS-SW-6 6	72	74
890-1971-1 MS	CS-SW-6 6	71	78
890-1971-1 MSD	CS-SW-6 6	71	67 S1-
890-1971-2	CS-SW-6 10	80	79
890-1971-3	CS-SW-6 14	83	84
890-1971-4	CS-SW-3 6	72	75
890-1971-5	CS-SW-3 10	74	80
890-1971-6	CS-SW-3 14	86	86
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19894/2-A	Lab Control Sample	96	100
LCSD 880-19894/3-A	Lab Control Sample Dup	88	104
MB 880-19894/1-A	Method Blank	79	86
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Carlsbad

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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

Lab Sample ID: MB 880-19894/1-A

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/21/22 08:32	02/21/22 11:22	1
o-Terphenyl	86		70 - 130				02/21/22 08:32	02/21/22 11:22	1

Lab Sample ID: LCS 880-19894/2-A

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	832.2		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	1000	791.6		mg/Kg		79	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	96		70 - 130				
o-Terphenyl	100		70 - 130				

Lab Sample ID: LCSD 880-19894/3-A

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19894

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	812.8		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	829.3		mg/Kg		83	70 - 130	5	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	88		70 - 130						
o-Terphenyl	104		70 - 130						

Lab Sample ID: 890-1971-1 MS

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: CS-SW-6 6

Prep Type: Total/NA

Prep Batch: 19894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	993.5		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1190		mg/Kg		119	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

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

Lab Sample ID: 890-1971-1 MS

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: CS-SW-6 6

Prep Type: Total/NA

Prep Batch: 19894

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-1971-1 MSD

Matrix: Solid

Analysis Batch: 19888

Client Sample ID: CS-SW-6 6

Prep Type: Total/NA

Prep Batch: 19894

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	998	1028		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1177		mg/Kg		118	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	67	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19895/1-A

Matrix: Solid

Analysis Batch: 19934

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/21/22 12:32	1

Lab Sample ID: LCS 880-19895/2-A

Matrix: Solid

Analysis Batch: 19934

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	247.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-19895/3-A

Matrix: Solid

Analysis Batch: 19934

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	244.7		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 890-1971-1 MS

Matrix: Solid

Analysis Batch: 19934

Client Sample ID: CS-SW-6 6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	90.9		250	354.1		mg/Kg		105	90 - 110

Eurofins Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

GC Semi VOA

Analysis Batch: 19888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 6	Total/NA	Solid	8015B NM	19894
890-1971-2	CS-SW-6 10	Total/NA	Solid	8015B NM	19894
890-1971-3	CS-SW-6 14	Total/NA	Solid	8015B NM	19894
890-1971-4	CS-SW-3 6	Total/NA	Solid	8015B NM	19894
890-1971-5	CS-SW-3 10	Total/NA	Solid	8015B NM	19894
890-1971-6	CS-SW-3 14	Total/NA	Solid	8015B NM	19894
MB 880-19894/1-A	Method Blank	Total/NA	Solid	8015B NM	19894
LCS 880-19894/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19894
LCSD 880-19894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19894
890-1971-1 MS	CS-SW-6 6	Total/NA	Solid	8015B NM	19894
890-1971-1 MSD	CS-SW-6 6	Total/NA	Solid	8015B NM	19894

Prep Batch: 19894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 6	Total/NA	Solid	8015NM Prep	
890-1971-2	CS-SW-6 10	Total/NA	Solid	8015NM Prep	
890-1971-3	CS-SW-6 14	Total/NA	Solid	8015NM Prep	
890-1971-4	CS-SW-3 6	Total/NA	Solid	8015NM Prep	
890-1971-5	CS-SW-3 10	Total/NA	Solid	8015NM Prep	
890-1971-6	CS-SW-3 14	Total/NA	Solid	8015NM Prep	
MB 880-19894/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19894/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1971-1 MS	CS-SW-6 6	Total/NA	Solid	8015NM Prep	
890-1971-1 MSD	CS-SW-6 6	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 6	Total/NA	Solid	8015 NM	
890-1971-2	CS-SW-6 10	Total/NA	Solid	8015 NM	
890-1971-3	CS-SW-6 14	Total/NA	Solid	8015 NM	
890-1971-4	CS-SW-3 6	Total/NA	Solid	8015 NM	
890-1971-5	CS-SW-3 10	Total/NA	Solid	8015 NM	
890-1971-6	CS-SW-3 14	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 6	Soluble	Solid	DI Leach	
890-1971-2	CS-SW-6 10	Soluble	Solid	DI Leach	
890-1971-3	CS-SW-6 14	Soluble	Solid	DI Leach	
890-1971-4	CS-SW-3 6	Soluble	Solid	DI Leach	
890-1971-5	CS-SW-3 10	Soluble	Solid	DI Leach	
890-1971-6	CS-SW-3 14	Soluble	Solid	DI Leach	
MB 880-19895/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19895/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19895/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1971-1 MS	CS-SW-6 6	Soluble	Solid	DI Leach	
890-1971-1 MSD	CS-SW-6 6	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

HPLC/IC

Analysis Batch: 19934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1971-1	CS-SW-6 6	Soluble	Solid	300.0	19895
890-1971-2	CS-SW-6 10	Soluble	Solid	300.0	19895
890-1971-3	CS-SW-6 14	Soluble	Solid	300.0	19895
890-1971-4	CS-SW-3 6	Soluble	Solid	300.0	19895
890-1971-5	CS-SW-3 10	Soluble	Solid	300.0	19895
890-1971-6	CS-SW-3 14	Soluble	Solid	300.0	19895
MB 880-19895/1-A	Method Blank	Soluble	Solid	300.0	19895
LCS 880-19895/2-A	Lab Control Sample	Soluble	Solid	300.0	19895
LCSD 880-19895/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19895
890-1971-1 MS	CS-SW-6 6	Soluble	Solid	300.0	19895
890-1971-1 MSD	CS-SW-6 6	Soluble	Solid	300.0	19895

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-6 6

Lab Sample ID: 890-1971-1

Date Collected: 02/17/22 12:00

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 12:24	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 14:46	CH	XEN MID

Client Sample ID: CS-SW-6 10

Lab Sample ID: 890-1971-2

Date Collected: 02/17/22 12:05

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:25	CH	XEN MID

Client Sample ID: CS-SW-6 14

Lab Sample ID: 890-1971-3

Date Collected: 02/17/22 12:10

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 13:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:34	CH	XEN MID

Client Sample ID: CS-SW-3 6

Lab Sample ID: 890-1971-4

Date Collected: 02/17/22 12:15

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 14:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:43	CH	XEN MID

Client Sample ID: CS-SW-3 10

Lab Sample ID: 890-1971-5

Date Collected: 02/17/22 14:30

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Client Sample ID: CS-SW-3 10

Lab Sample ID: 890-1971-5

Date Collected: 02/17/22 14:30

Matrix: Solid

Date Received: 02/17/22 16:16

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 14:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 13:52	CH	XEN MID

Client Sample ID: CS-SW-3 14

Lab Sample ID: 890-1971-6

Date Collected: 02/17/22 14:35

Matrix: Solid

Date Received: 02/17/22 16:16

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			20073	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 14:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19895	02/21/22 09:12	CH	XEN MID
Soluble	Analysis	300.0		1			19934	02/21/22 14:19	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Preliminary Data

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Carlsbad

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe

Job ID: 890-1971-1
SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1971-1	CS-SW-6 6	Solid	02/17/22 12:00	02/17/22 16:16	6
890-1971-2	CS-SW-6 10	Solid	02/17/22 12:05	02/17/22 16:16	10
890-1971-3	CS-SW-6 14	Solid	02/17/22 12:10	02/17/22 16:16	14
890-1971-4	CS-SW-3 6	Solid	02/17/22 12:15	02/17/22 16:16	6
890-1971-5	CS-SW-3 10	Solid	02/17/22 14:30	02/17/22 16:16	10
890-1971-6	CS-SW-3 14	Solid	02/17/22 14:35	02/17/22 16:16	14

Preliminary Data



Environment Testing

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) 794-1266
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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Project Manager:	Jared Stettin	Bill to: (if different)	Eric Taylor
Company Name:	TEC	Company Name:	Conoco Phillips
Address:	10 Desk Dr	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared.Msti@Eky

Work Order Comments	
Program:	UST/PST ☐ PRR ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NM
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other: _____

Project Name:	Battle Area	Turn Around:	☐ Routine ☒ Rush 24 hr	Pres. Code	
Project Number:		Due Date:			
Project Location:	ITC 1 NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Misti Bryant	Thermometer ID:	7NM-003	Wet Ice:	☒ Yes ☐ No
PO #:		Correction Factor:	-0.2	Temperature Reading:	1.0
SAMPLE RECEIPT		Temp Blank:	☒ Yes ☐ No	Corrected Temperature:	0.8
Samples Received Intact:	☒ Yes ☐ No	Sample Custody Seals:	☒ Yes ☐ No	Parameters	
Cooler Custody Seals:	☒ Yes ☐ No	8015M			
Sample Custody Seals:	☒ Yes ☐ No	8021B			
Total Containers:		X Chloride			



890-1971 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Preservative Codes	Sample Comments
CS-SW-6 @ 6'	S	2/17/22	1200	6'	C	1	None: NO	
CS-SW-6 @ 10'			1205	10'	C	1	DI Water: H ₂ O	
CS-SW-6 @ 14'			1210	14'	C	1	Cool: Cool	
CS-SW-3 @ 6'			1215	6'	C	1	HCL: HC	
CS-SW-3 @ 10'			1430	10'	C	1	H ₂ SO ₄ : H ₂	
CS-SW-3 @ 14'			1435	14'	C	1	H ₃ PO ₄ : HP	
TS-02172022							NaHSO ₄ : NABIS	
							Na ₂ S ₂ O ₃ : NaSO ₃	
							Zn Acetate+NaOH: Zn	
							NaOH+Ascorbic Acid: SACP	

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 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

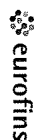
Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume 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
Misti Bryant	Eric Taylor	2-17-22 16:16			

Eurofins Carlsbad

1089 N Canal St
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



**Environment Testing
America**

Client Information (Sub Contract Lab)			Sampler	Lab PM	Camera Tracking No(s)	CCC No									
Client Contact:			Phone	Kramer, Jessica		890-631 1									
Shipping/Receiving				E-Mail	State of Origin	Page									
Company	Eurofins Environment Testing South Cent			jessica.kramer@eurofinsnet.com	New Mexico	Page 1 of 1									
Address	1211 W Florida Ave.	Due Date Requested	2/21/2022	Accreditations Required (See note):	NEAAP - Texas	Job #:									
City	Midland	TAI Requested (days):		Analysis Requested											
State, Zip	TX, 79701														
Phone	432-704-5440(Tel)	PO #:													
Email		WO #:													
Project Name:	Battle Axe	Project #:	89000036												
Site:		SSOW#:													
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, B=biomass, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8021B/6036FP_Calc (MOD) BTEX	Total_BTEX_GCV	8015MOD_NM/8015NM_S_Prep (MOD) Full TPH	8015MOD_Calc	300_ORGFM_28D/DI_LEACH Chloride	Total Number of containers	Special Instructions/Note:
CS-SW-6 6 (890-1971-1)		2/17/22	12 00	Mountain	Solid		X	X	X	X					
CS-SW-6 10 (890-1971-2)		2/17/22	12 05	Mountain	Solid		X	X	X	X					
CS-SW-6 14 (890-1971-3)		2/17/22	12 10	Mountain	Solid		X	X	X	X					
CS-SW-3 6 (890-1971-4)		2/17/22	12 15	Mountain	Solid		X	X	X	X					
CS-SW-3 10 (890-1971-5)		2/17/22	14 30	Mountain	Solid		X	X	X	X					
CS-SW-3 14 (890-1971-6)		2/17/22	14 35	Mountain	Solid		X	X	X	X					
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyze & 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/test/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															
Empty Kit Relinquished by Date/Time Company Time Method of Shipment:															
Relinquished by <i>Due Day 2-18-22</i> Date/Time Company Received by <i>[Signature]</i> 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:															

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1971-1

SDG Number: Jal NM

Login Number: 1971

List Number: 1

Creator: Clifton, Cloe

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.	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: 890-1971-1

SDG Number: Jal NM

Login Number: 1971

List Number: 2

Creator: Teel, Brianna

List Source: Eurofins Midland

List Creation: 02/21/22 08:09 AM

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2002-1
Laboratory Sample Delivery Group: Jal NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/24/2022 9:18:15 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 890-2002-1
SDG: Jal NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Job ID: 890-2002-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2002-1

Receipt

The samples were received on 2/22/2022 4:16 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 1.6°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: TB-02222022 (890-2002-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20185 and analytical batch 880-20187 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: CS-12 @ 16'

Lab Sample ID: 890-2002-1

Date Collected: 02/22/22 13:10

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/22 10:30	02/24/22 13:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/22 10:30	02/24/22 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/24/22 10:30	02/24/22 13:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 10:30	02/24/22 13:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/22 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 15:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 15:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	02/24/22 08:23	02/24/22 15:47	1
o-Terphenyl	101		70 - 130	02/24/22 08:23	02/24/22 15:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		5.00		mg/Kg			02/24/22 14:55	1

Client Sample ID: CS-13 @ 16'

Lab Sample ID: 890-2002-2

Date Collected: 02/22/22 13:15

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/24/22 10:30	02/24/22 13:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/24/22 10:30	02/24/22 13:24	1
Ethylbenzene	0.00359		0.00198		mg/Kg		02/24/22 10:30	02/24/22 13:24	1
m-Xylene & p-Xylene	0.00683		0.00396		mg/Kg		02/24/22 10:30	02/24/22 13:24	1
o-Xylene	0.00266		0.00198		mg/Kg		02/24/22 10:30	02/24/22 13:24	1
Xylenes, Total	0.00949		0.00396		mg/Kg		02/24/22 10:30	02/24/22 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	02/24/22 10:30	02/24/22 13:24	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: CS-13 @ 16'

Lab Sample ID: 890-2002-2

Date Collected: 02/22/22 13:15

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87		70 - 130	02/24/22 10:30	02/24/22 13:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0131		0.00396		mg/Kg			02/24/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/24/22 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/22 08:23	02/24/22 16:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/24/22 08:23	02/24/22 16:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/22 08:23	02/24/22 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/24/22 08:23	02/24/22 16:07	1
o-Terphenyl	104		70 - 130				02/24/22 08:23	02/24/22 16:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	452		4.99		mg/Kg			02/24/22 15:21	1

Client Sample ID: CS-18 @ 16'

Lab Sample ID: 890-2002-3

Date Collected: 02/22/22 13:20

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/22 10:30	02/24/22 13:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/22 10:30	02/24/22 13:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/22 10:30	02/24/22 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/24/22 10:30	02/24/22 13:44	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/24/22 10:30	02/24/22 13:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/22 19:59	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: CS-18 @ 16'

Lab Sample ID: 890-2002-3

Date Collected: 02/22/22 13:20

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 16:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 16:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				02/24/22 08:23	02/24/22 16:28	1
o-Terphenyl	100		70 - 130				02/24/22 08:23	02/24/22 16:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.9		4.95		mg/Kg			02/24/22 15:30	1

Client Sample ID: CS-5 @ 16'

Lab Sample ID: 890-2002-4

Date Collected: 02/22/22 14:25

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/24/22 10:30	02/24/22 14:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/24/22 10:30	02/24/22 14:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/24/22 10:30	02/24/22 14:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/24/22 10:30	02/24/22 14:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/24/22 10:30	02/24/22 14:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/24/22 10:30	02/24/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				02/24/22 10:30	02/24/22 14:05	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/24/22 10:30	02/24/22 14:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/24/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/24/22 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				02/24/22 08:23	02/24/22 16:48	1
o-Terphenyl	102		70 - 130				02/24/22 08:23	02/24/22 16:48	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: CS-5 @ 16'

Lab Sample ID: 890-2002-4

Date Collected: 02/22/22 14:25

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		5.02		mg/Kg			02/24/22 15:39	1

Client Sample ID: CS-8 @ 16'

Lab Sample ID: 890-2002-5

Date Collected: 02/22/22 14:30

Matrix: Solid

Date Received: 02/22/22 16:16

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 10:30	02/24/22 14:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 10:30	02/24/22 14:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 10:30	02/24/22 14:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/24/22 10:30	02/24/22 14:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 10:30	02/24/22 14:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/24/22 10:30	02/24/22 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				02/24/22 10:30	02/24/22 14:25	1
1,4-Difluorobenzene (Surr)	96		70 - 130				02/24/22 10:30	02/24/22 14:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/24/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	85.0		49.9		mg/Kg			02/24/22 19:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/24/22 08:23	02/24/22 17:09	1
Diesel Range Organics (Over C10-C28)	85.0		49.9		mg/Kg		02/24/22 08:23	02/24/22 17:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/24/22 08:23	02/24/22 17:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				02/24/22 08:23	02/24/22 17:09	1
o-Terphenyl	105		70 - 130				02/24/22 08:23	02/24/22 17:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		4.98		mg/Kg			02/24/22 15:48	1

Client Sample ID: TB-02222022

Lab Sample ID: 890-2002-6

Date Collected: 02/22/22 00:00

Matrix: Water

Date Received: 02/22/22 16:16

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			02/24/22 17:58	1

Eurofins Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: TB-02222022

Lab Sample ID: 890-2002-6

Date Collected: 02/22/22 00:00

Matrix: Water

Date Received: 02/22/22 16:16

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/L			02/24/22 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			02/24/22 17:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			02/24/22 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/L			02/24/22 17:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			02/24/22 17:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	195	S1+	70 - 130		02/24/22 17:58	1
1,4-Difluorobenzene (Surr)	72		70 - 130		02/24/22 17:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			02/24/22 16:58	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal 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)
890-1948-A-1-J MS	Matrix Spike	97	97
890-1948-A-1-K MSD	Matrix Spike Duplicate	98	98
890-2002-1	CS-12 @ 16'	123	95
890-2002-2	CS-13 @ 16'	85	87
890-2002-3	CS-18 @ 16'	128	91
890-2002-4	CS-5 @ 16'	100	95
890-2002-5	CS-8 @ 16'	104	96
LCS 880-19723/1-A	Lab Control Sample	97	97
LCSD 880-19723/2-A	Lab Control Sample Dup	99	98
MB 880-19723/5-A	Method Blank	99	95

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)
890-1952-A-10 MS	Matrix Spike	202 S1+	88
890-1952-A-10 MSD	Matrix Spike Duplicate	204 S1+	103
890-2002-6	TB-02222022	195 S1+	72
LCS 880-20214/3	Lab Control Sample	186 S1+	76
LCSD 880-20214/4	Lab Control Sample Dup	196 S1+	101
MB 880-20214/8	Method Blank	134 S1+	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)
890-1995-A-1-D MS	Matrix Spike	107	96
890-1995-A-1-E MSD	Matrix Spike Duplicate	100	91
890-2002-1	CS-12 @ 16'	99	101
890-2002-2	CS-13 @ 16'	101	104
890-2002-3	CS-18 @ 16'	97	100
890-2002-4	CS-5 @ 16'	100	102
890-2002-5	CS-8 @ 16'	102	105
LCS 880-20185/2-A	Lab Control Sample	92	86
LCSD 880-20185/3-A	Lab Control Sample Dup	120	116
MB 880-20185/1-A	Method Blank	123	123

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19723/5-A

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19723

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/24/22 07:45	02/24/22 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/24/22 07:45	02/24/22 11:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 07:45	02/24/22 11:10	1

Lab Sample ID: LCS 880-19723/1-A

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1025		mg/Kg		103	70 - 130
Toluene	0.100	0.1011		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09945		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130
o-Xylene	0.100	0.09841		mg/Kg		98	70 - 130

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

Lab Sample ID: LCSD 880-19723/2-A

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1127		mg/Kg		113	70 - 130	9	35
Toluene	0.100	0.1117		mg/Kg		112	70 - 130	10	35
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2288		mg/Kg		114	70 - 130	11	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	11	35

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

Lab Sample ID: 890-1948-A-1-J MS

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0996	0.1097		mg/Kg		110	70 - 130
Toluene	<0.00200	U	0.0996	0.1098		mg/Kg		110	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

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

Lab Sample ID: 890-1948-A-1-J MS

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.0996	0.1061		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2214		mg/Kg		111	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1059		mg/Kg		106	70 - 130

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

Lab Sample ID: 890-1948-A-1-K MSD

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1099		mg/Kg		110	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.1088		mg/Kg		109	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2203		mg/Kg		110	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	0	35

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

Lab Sample ID: MB 880-20214/8

Matrix: Water

Analysis Batch: 20214

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
Toluene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			02/24/22 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/L			02/24/22 15:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			02/24/22 15:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130		02/24/22 15:43	1
1,4-Difluorobenzene (Surr)	70		70 - 130		02/24/22 15:43	1

Lab Sample ID: LCS 880-20214/3

Matrix: Water

Analysis Batch: 20214

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	0.1029		mg/L		103	70 - 130
Toluene	0.100	0.1018		mg/L		102	70 - 130
Ethylbenzene	0.100	0.1089		mg/L		109	70 - 130
m-Xylene & p-Xylene	0.200	0.2353		mg/L		118	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

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

Lab Sample ID: LCS 880-20214/3

Matrix: Water

Analysis Batch: 20214

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.1202		mg/L		120	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	186	S1+	70 - 130				
1,4-Difluorobenzene (Surr)	76		70 - 130				

Lab Sample ID: LCSD 880-20214/4

Matrix: Water

Analysis Batch: 20214

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	0.09689		mg/L		97	70 - 130	6	20
Toluene	0.100	0.1098		mg/L		110	70 - 130	8	20
Ethylbenzene	0.100	0.1180		mg/L		118	70 - 130	8	20
m-Xylene & p-Xylene	0.200	0.2490		mg/L		124	70 - 130	6	20
o-Xylene	0.100	0.1285		mg/L		129	70 - 130	7	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	196	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	101		70 - 130						

Lab Sample ID: 890-1952-A-10 MS

Matrix: Water

Analysis Batch: 20214

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	0.09782		mg/L		98	70 - 130
Toluene	<0.00200	U	0.100	0.1046		mg/L		105	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.1139		mg/L		114	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2434		mg/L		122	70 - 130
o-Xylene	<0.00200	U	0.100	0.1241		mg/L		124	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	202	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	88		70 - 130						

Lab Sample ID: 890-1952-A-10 MSD

Matrix: Water

Analysis Batch: 20214

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	0.1118		mg/L		112	70 - 130	13	25
Toluene	<0.00200	U	0.100	0.1174		mg/L		117	70 - 130	12	25
Ethylbenzene	<0.00200	U	0.100	0.1288		mg/L		129	70 - 130	12	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2776	F1	mg/L		139	70 - 130	13	25
o-Xylene	<0.00200	U	0.100	0.1397	F1	mg/L		140	70 - 130	12	25

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

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

Lab Sample ID: 890-1952-A-10 MSD

Matrix: Water

Analysis Batch: 20214

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	204	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-20185/1-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20185

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 10:12	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 10:12	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/22 08:23	02/24/22 10:12	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil	Fac
1-Chlorooctane	123		70 - 130				02/24/22 08:23	02/24/22 10:12	1	
o-Terphenyl	123		70 - 130				02/24/22 08:23	02/24/22 10:12	1	

Lab Sample ID: LCS 880-20185/2-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20185

			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	908.8		mg/Kg		91	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1082		mg/Kg		108	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	92		70 - 130							
o-Terphenyl	86		70 - 130							

Lab Sample ID: LCSD 880-20185/3-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20185

			Spike	LCSD	LCSD				%Rec.	RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	915.5		mg/Kg		92	70 - 130	20
Diesel Range Organics (Over C10-C28)			1000	1114		mg/Kg		111	70 - 130	20
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	120		70 - 130							
o-Terphenyl	116		70 - 130							

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

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

Lab Sample ID: 890-1995-A-1-D MS

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20185

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 F1	1000	1252		mg/Kg		121	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	1467	F1	mg/Kg		147	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	96		70 - 130						

Lab Sample ID: 890-1995-A-1-E MSD

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20185

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 F1	998	1401	F1	mg/Kg		136	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1400	F1	mg/Kg		140	70 - 130	5	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	91		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20215/1-A

Matrix: Solid

Analysis Batch: 20255

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/24/22 13:36	1

Lab Sample ID: LCS 880-20215/2-A

Matrix: Solid

Analysis Batch: 20255

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	248.0		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-20215/3-A

Matrix: Solid

Analysis Batch: 20255

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	247.9		mg/Kg		99	90 - 110	0	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-2002-1 MS

Matrix: Solid

Analysis Batch: 20255

Client Sample ID: CS-12 @ 16'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	59.0		250	298.5		mg/Kg		96	90 - 110

Lab Sample ID: 890-2002-1 MSD

Matrix: Solid

Analysis Batch: 20255

Client Sample ID: CS-12 @ 16'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	59.0		250	298.1		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

GC VOA

Prep Batch: 19723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Total/NA	Solid	5035	
890-2002-2	CS-13 @ 16'	Total/NA	Solid	5035	
890-2002-3	CS-18 @ 16'	Total/NA	Solid	5035	
890-2002-4	CS-5 @ 16'	Total/NA	Solid	5035	
890-2002-5	CS-8 @ 16'	Total/NA	Solid	5035	
MB 880-19723/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19723/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19723/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1948-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
890-1948-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Total/NA	Solid	8021B	19723
890-2002-2	CS-13 @ 16'	Total/NA	Solid	8021B	19723
890-2002-3	CS-18 @ 16'	Total/NA	Solid	8021B	19723
890-2002-4	CS-5 @ 16'	Total/NA	Solid	8021B	19723
890-2002-5	CS-8 @ 16'	Total/NA	Solid	8021B	19723
MB 880-19723/5-A	Method Blank	Total/NA	Solid	8021B	19723
LCS 880-19723/1-A	Lab Control Sample	Total/NA	Solid	8021B	19723
LCSD 880-19723/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19723
890-1948-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	19723
890-1948-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19723

Analysis Batch: 20214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-6	TB-02222022	Total/NA	Water	8021B	
MB 880-20214/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20214/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20214/4	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1952-A-10 MS	Matrix Spike	Total/NA	Water	8021B	
890-1952-A-10 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 20262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Total/NA	Solid	Total BTEX	
890-2002-2	CS-13 @ 16'	Total/NA	Solid	Total BTEX	
890-2002-3	CS-18 @ 16'	Total/NA	Solid	Total BTEX	
890-2002-4	CS-5 @ 16'	Total/NA	Solid	Total BTEX	
890-2002-5	CS-8 @ 16'	Total/NA	Solid	Total BTEX	
890-2002-6	TB-02222022	Total/NA	Water	Total BTEX	

GC Semi VOA

Prep Batch: 20185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Total/NA	Solid	8015NM Prep	
890-2002-2	CS-13 @ 16'	Total/NA	Solid	8015NM Prep	
890-2002-3	CS-18 @ 16'	Total/NA	Solid	8015NM Prep	
890-2002-4	CS-5 @ 16'	Total/NA	Solid	8015NM Prep	
890-2002-5	CS-8 @ 16'	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

GC Semi VOA (Continued)

Prep Batch: 20185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20185/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20185/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20185/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1995-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1995-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Total/NA	Solid	8015B NM	20185
890-2002-2	CS-13 @ 16'	Total/NA	Solid	8015B NM	20185
890-2002-3	CS-18 @ 16'	Total/NA	Solid	8015B NM	20185
890-2002-4	CS-5 @ 16'	Total/NA	Solid	8015B NM	20185
890-2002-5	CS-8 @ 16'	Total/NA	Solid	8015B NM	20185
MB 880-20185/1-A	Method Blank	Total/NA	Solid	8015B NM	20185
LCS 880-20185/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20185
LCSD 880-20185/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20185
890-1995-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20185
890-1995-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20185

Analysis Batch: 20278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Total/NA	Solid	8015 NM	
890-2002-2	CS-13 @ 16'	Total/NA	Solid	8015 NM	
890-2002-3	CS-18 @ 16'	Total/NA	Solid	8015 NM	
890-2002-4	CS-5 @ 16'	Total/NA	Solid	8015 NM	
890-2002-5	CS-8 @ 16'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Soluble	Solid	DI Leach	
890-2002-2	CS-13 @ 16'	Soluble	Solid	DI Leach	
890-2002-3	CS-18 @ 16'	Soluble	Solid	DI Leach	
890-2002-4	CS-5 @ 16'	Soluble	Solid	DI Leach	
890-2002-5	CS-8 @ 16'	Soluble	Solid	DI Leach	
MB 880-20215/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20215/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20215/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2002-1 MS	CS-12 @ 16'	Soluble	Solid	DI Leach	
890-2002-1 MSD	CS-12 @ 16'	Soluble	Solid	DI Leach	

Analysis Batch: 20255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2002-1	CS-12 @ 16'	Soluble	Solid	300.0	20215
890-2002-2	CS-13 @ 16'	Soluble	Solid	300.0	20215
890-2002-3	CS-18 @ 16'	Soluble	Solid	300.0	20215
890-2002-4	CS-5 @ 16'	Soluble	Solid	300.0	20215
890-2002-5	CS-8 @ 16'	Soluble	Solid	300.0	20215
MB 880-20215/1-A	Method Blank	Soluble	Solid	300.0	20215
LCS 880-20215/2-A	Lab Control Sample	Soluble	Solid	300.0	20215

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

HPLC/IC (Continued)

Analysis Batch: 20255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20215/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20215
890-2002-1 MS	CS-12 @ 16'	Soluble	Solid	300.0	20215
890-2002-1 MSD	CS-12 @ 16'	Soluble	Solid	300.0	20215

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: CS-12 @ 16'

Lab Sample ID: 890-2002-1

Date Collected: 02/22/22 13:10

Matrix: Solid

Date Received: 02/22/22 16:16

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	19723	02/24/22 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 13:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20262	02/24/22 16:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20278	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20185	02/24/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 15:47	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20215	02/24/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			20255	02/24/22 14:55	CH	XEN MID

Client Sample ID: CS-13 @ 16'

Lab Sample ID: 890-2002-2

Date Collected: 02/22/22 13:15

Matrix: Solid

Date Received: 02/22/22 16:16

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	19723	02/24/22 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 13:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20262	02/24/22 16:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20278	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20185	02/24/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 16:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20215	02/24/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			20255	02/24/22 15:21	CH	XEN MID

Client Sample ID: CS-18 @ 16'

Lab Sample ID: 890-2002-3

Date Collected: 02/22/22 13:20

Matrix: Solid

Date Received: 02/22/22 16:16

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	19723	02/24/22 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 13:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20262	02/24/22 16:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20278	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20185	02/24/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 16:28	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20215	02/24/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			20255	02/24/22 15:30	CH	XEN MID

Client Sample ID: CS-5 @ 16'

Lab Sample ID: 890-2002-4

Date Collected: 02/22/22 14:25

Matrix: Solid

Date Received: 02/22/22 16:16

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	19723	02/24/22 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 14:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20262	02/24/22 16:58	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Client Sample ID: CS-5 @ 16'

Date Collected: 02/22/22 14:25

Date Received: 02/22/22 16:16

Lab Sample ID: 890-2002-4

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			20278	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20185	02/24/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	20215	02/24/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			20255	02/24/22 15:39	CH	XEN MID

Client Sample ID: CS-8 @ 16'

Date Collected: 02/22/22 14:30

Date Received: 02/22/22 16:16

Lab Sample ID: 890-2002-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19723	02/24/22 10:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 14:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20262	02/24/22 16:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20278	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20185	02/24/22 08:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20215	02/24/22 11:57	CH	XEN MID
Soluble	Analysis	300.0		1			20255	02/24/22 15:48	CH	XEN MID

Client Sample ID: TB-02222022

Date Collected: 02/22/22 00:00

Date Received: 02/22/22 16:16

Lab Sample ID: 890-2002-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	20214	02/24/22 17:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20262	02/24/22 16:58	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 890-2002-1
SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2002-1	CS-12 @ 16'	Solid	02/22/22 13:10	02/22/22 16:16	16'
890-2002-2	CS-13 @ 16'	Solid	02/22/22 13:15	02/22/22 16:16	16'
890-2002-3	CS-18 @ 16'	Solid	02/22/22 13:20	02/22/22 16:16	16'
890-2002-4	CS-5 @ 16'	Solid	02/22/22 14:25	02/22/22 16:16	16'
890-2002-5	CS-8 @ 16'	Solid	02/22/22 14:30	02/22/22 16:16	16'
890-2002-6	TB-02222022	Water	02/22/22 00:00	02/22/22 16:16	


Environment Testing
Xenco

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

Chain of Custody

Work Order No: _____

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Project Manager:	Jared Stessel	Bill to: (if different)	T-R-C
Company Name:	Tec Companies	Company Name:	
Address:	10 Dcsta Dr	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared@mist-inc.com

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

Project Name:	LOP Bottle Axx	Turn Around	Pres Code
Project Number:		☐ Routine ☒ Rush	24h
Project Location:	Tal NM	Due Date:	
Sampler's Name:	Misti Rysant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☐ No	Wet Ice: ☒ Yes ☐ No	
Samples Received/Intact:	☒ Yes ☐ No	Thermometer ID:	777A-C057
Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes ☐ No ☒ N/A	Temperature Reading:	1.8
Total Containers:		Corrected Temperature:	1.4



890-2002 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-12 @ 16'	S	2/22/22	1310	16'	C	1	TPH 8015M		None: NO	DI Water: H ₂ O
CS-13 @ 16'	S		1315				BTEX 8021B		Cool: Cool	MeOH: Me
CS-18 @ 16'	S		1320				Chloride		HCL: HCL	HNO ₃ : HN
CS-5 @ 16'	S		1425						H ₂ SO ₄ : H ₂	NaOH: Na
CS-8 @ 16'	S		1430						H ₃ PO ₄ : HP	
TS-022222022	S								NaHSO ₄ : NABIS	
									Na ₂ S ₂ O ₃ : NaSO ₃	
									Zn-Acetate-NaOH: Zn	
									NaOH+Ascorbic Acid: SAPC	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas T1 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ 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 sample 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
<i>[Signature]</i>	<i>[Signature]</i>	2-22-22 14:10			

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

Environment Testing America

Chain of Custody Record



1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax 575-988-3199

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-2002-1

SDG Number: Jal NM

Login Number: 2002**List Number: 1****Creator: Clifton, Cloe****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.	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: 890-2002-1

SDG Number: Jal NM

Login Number: 2002**List Number: 2****Creator: Teel, Brianna****List Source: Eurofins Midland****List Creation: 02/24/22 10:24 AM**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11698-1
Laboratory Sample Delivery Group: Jal, NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/25/2022 3:06:58 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 880-11698-1
SDG: Jal, NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
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/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Job ID: 880-11698-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11698-1

Receipt

The samples were received on 2/24/2022 12:13 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

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20185 and analytical batch 880-20187 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Client Sample ID: CS-SW-8a @ 2'

Lab Sample ID: 880-11698-1

Date Collected: 02/23/22 15:10

Matrix: Solid

Date Received: 02/24/22 12:13

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg	-	02/24/22 13:00	02/24/22 17:50	1
Toluene	<0.00202	U	0.00202	mg/Kg	-	02/24/22 13:00	02/24/22 17:50	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg	-	02/24/22 13:00	02/24/22 17:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg	-	02/24/22 13:00	02/24/22 17:50	1
o-Xylene	<0.00202	U	0.00202	mg/Kg	-	02/24/22 13:00	02/24/22 17:50	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg	-	02/24/22 13:00	02/24/22 17:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/24/22 13:00	02/24/22 17:50	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/24/22 13:00	02/24/22 17:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg	-		02/24/22 20:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg	-		02/24/22 19:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg	-	02/24/22 13:00	02/24/22 17:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg	-	02/24/22 13:00	02/24/22 17:30	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	-	02/24/22 13:00	02/24/22 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	02/24/22 13:00	02/24/22 17:30	1
o-Terphenyl	99		70 - 130	02/24/22 13:00	02/24/22 17:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.6		5.00	mg/Kg	-		02/24/22 20:04	1

Client Sample ID: CS-SW-9 @ 2'

Lab Sample ID: 880-11698-2

Date Collected: 02/23/22 15:05

Matrix: Solid

Date Received: 02/24/22 12:13

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg	-	02/24/22 13:00	02/24/22 18:10	1
Toluene	<0.00201	U	0.00201	mg/Kg	-	02/24/22 13:00	02/24/22 18:10	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg	-	02/24/22 13:00	02/24/22 18:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg	-	02/24/22 13:00	02/24/22 18:10	1
o-Xylene	<0.00201	U	0.00201	mg/Kg	-	02/24/22 13:00	02/24/22 18:10	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg	-	02/24/22 13:00	02/24/22 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/24/22 13:00	02/24/22 18:10	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Client Sample ID: CS-SW-9 @ 2'

Lab Sample ID: 880-11698-2

Date Collected: 02/23/22 15:05

Matrix: Solid

Date Received: 02/24/22 12:13

Sample Depth: 2'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	02/24/22 13:00	02/24/22 18:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/24/22 20:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	86.2		49.9	mg/Kg			02/24/22 19:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/24/22 13:00	02/24/22 17:51	1
Diesel Range Organics (Over C10-C28)	86.2		49.9	mg/Kg		02/24/22 13:00	02/24/22 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/24/22 13:00	02/24/22 17:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			02/24/22 13:00	02/24/22 17:51	1
o-Terphenyl	104		70 - 130			02/24/22 13:00	02/24/22 17:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		4.99	mg/Kg			02/24/22 20:31	1

Client Sample ID: CS-SW-10 @ 2'

Lab Sample ID: 880-11698-3

Date Collected: 02/23/22 15:00

Matrix: Solid

Date Received: 02/24/22 12:13

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/24/22 13:00	02/24/22 18:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/24/22 13:00	02/24/22 18:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/24/22 13:00	02/24/22 18:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/24/22 13:00	02/24/22 18:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/24/22 13:00	02/24/22 18:31	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/24/22 13:00	02/24/22 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/24/22 13:00	02/24/22 18:31	1
1,4-Difluorobenzene (Surr)	91		70 - 130	02/24/22 13:00	02/24/22 18:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/24/22 20:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	59.8		49.9	mg/Kg			02/24/22 19:59	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Client Sample ID: CS-SW-10 @ 2'

Lab Sample ID: 880-11698-3

Date Collected: 02/23/22 15:00

Matrix: Solid

Date Received: 02/24/22 12:13

Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/24/22 13:00	02/24/22 18:11	1
Diesel Range Organics (Over C10-C28)	59.8		49.9	mg/Kg		02/24/22 13:00	02/24/22 18:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/24/22 13:00	02/24/22 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			02/24/22 13:00	02/24/22 18:11	1
o-Terphenyl	98		70 - 130			02/24/22 13:00	02/24/22 18:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	274		4.95	mg/Kg			02/24/22 20:40	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, 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)
880-11698-1	CS-SW-8a @ 2'	106	97
880-11698-2	CS-SW-9 @ 2'	104	97
880-11698-3	CS-SW-10 @ 2'	115	91
890-1948-A-1-J MS	Matrix Spike	97	97
890-1948-A-1-K MSD	Matrix Spike Duplicate	98	98
LCS 880-19723/1-A	Lab Control Sample	97	97
LCSD 880-19723/2-A	Lab Control Sample Dup	99	98
MB 880-19723/5-A	Method Blank	99	95
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)
880-11698-1	CS-SW-8a @ 2'	98	99
880-11698-2	CS-SW-9 @ 2'	104	104
880-11698-3	CS-SW-10 @ 2'	100	98
890-1995-A-1-D MS	Matrix Spike	107	96
890-1995-A-1-E MSD	Matrix Spike Duplicate	100	91
LCS 880-20185/2-A	Lab Control Sample	92	86
LCSD 880-20185/3-A	Lab Control Sample Dup	120	116
MB 880-20185/1-A	Method Blank	123	123
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19723/5-A

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19723

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/24/22 07:45	02/24/22 11:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/24/22 07:45	02/24/22 11:10	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/24/22 07:45	02/24/22 11:10	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/24/22 07:45	02/24/22 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/24/22 07:45	02/24/22 11:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/24/22 07:45	02/24/22 11:10	1

Lab Sample ID: LCS 880-19723/1-A

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1025		mg/Kg		103	70 - 130
Toluene	0.100	0.1011		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.09945		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2055		mg/Kg		103	70 - 130
o-Xylene	0.100	0.09841		mg/Kg		98	70 - 130

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

Lab Sample ID: LCSD 880-19723/2-A

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1127		mg/Kg		113	70 - 130	9	35
Toluene	0.100	0.1117		mg/Kg		112	70 - 130	10	35
Ethylbenzene	0.100	0.1097		mg/Kg		110	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2288		mg/Kg		114	70 - 130	11	35
o-Xylene	0.100	0.1101		mg/Kg		110	70 - 130	11	35

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

Lab Sample ID: 890-1948-A-1-J MS

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.0996	0.1097		mg/Kg		110	70 - 130
Toluene	<0.00200	U	0.0996	0.1098		mg/Kg		110	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

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

Lab Sample ID: 890-1948-A-1-J MS

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U	0.0996	0.1061		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2214		mg/Kg		111	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1059		mg/Kg		106	70 - 130

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

Lab Sample ID: 890-1948-A-1-K MSD

Matrix: Solid

Analysis Batch: 20184

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 19723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1099		mg/Kg		110	70 - 130	0	35
Toluene	<0.00200	U	0.100	0.1088		mg/Kg		109	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.100	0.1059		mg/Kg		106	70 - 130	0	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2203		mg/Kg		110	70 - 130	1	35
o-Xylene	<0.00200	U	0.100	0.1056		mg/Kg		106	70 - 130	0	35

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

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

Lab Sample ID: MB 880-20185/1-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20185

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		02/24/22 08:23	02/24/22 10:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/24/22 08:23	02/24/22 10:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/24/22 08:23	02/24/22 10:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	02/24/22 08:23	02/24/22 10:12	1
o-Terphenyl	123		70 - 130	02/24/22 08:23	02/24/22 10:12	1

Lab Sample ID: LCS 880-20185/2-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	908.8		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1082		mg/Kg		108	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

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

Lab Sample ID: LCS 880-20185/2-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20185

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: LCSD 880-20185/3-A

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20185

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	915.5		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1114		mg/Kg		111	70 - 130	3	20
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier									
1-Chlorooctane	120										
o-Terphenyl	116										

Lab Sample ID: 890-1995-A-1-D MS

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20185

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 F1	1000	1252		mg/Kg		121	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	1467	F1	mg/Kg		147	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier									
1-Chlorooctane	107										
o-Terphenyl	96										

Lab Sample ID: 890-1995-A-1-E MSD

Matrix: Solid

Analysis Batch: 20187

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20185

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 F1	998	1401	F1	mg/Kg		136	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	1400	F1	mg/Kg		140	70 - 130	5	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier									
1-Chlorooctane	100										
o-Terphenyl	91										

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20256/1-A

Matrix: Solid

Analysis Batch: 20257

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/24/22 19:38	1

Lab Sample ID: LCS 880-20256/2-A

Matrix: Solid

Analysis Batch: 20257

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.1		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-20256/3-A

Matrix: Solid

Analysis Batch: 20257

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	243.0		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-11698-1 MS

Matrix: Solid

Analysis Batch: 20257

Client Sample ID: CS-SW-8a @ 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	51.6		250	315.6		mg/Kg		106	90 - 110

Lab Sample ID: 880-11698-1 MSD

Matrix: Solid

Analysis Batch: 20257

Client Sample ID: CS-SW-8a @ 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	51.6		250	308.3		mg/Kg		103	90 - 110	2	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

GC VOA

Prep Batch: 19723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Total/NA	Solid	5035	
880-11698-2	CS-SW-9 @ 2'	Total/NA	Solid	5035	
880-11698-3	CS-SW-10 @ 2'	Total/NA	Solid	5035	
MB 880-19723/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19723/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19723/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1948-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
890-1948-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Total/NA	Solid	8021B	19723
880-11698-2	CS-SW-9 @ 2'	Total/NA	Solid	8021B	19723
880-11698-3	CS-SW-10 @ 2'	Total/NA	Solid	8021B	19723
MB 880-19723/5-A	Method Blank	Total/NA	Solid	8021B	19723
LCS 880-19723/1-A	Lab Control Sample	Total/NA	Solid	8021B	19723
LCSD 880-19723/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19723
890-1948-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	19723
890-1948-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19723

Analysis Batch: 20281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Total/NA	Solid	Total BTEX	
880-11698-2	CS-SW-9 @ 2'	Total/NA	Solid	Total BTEX	
880-11698-3	CS-SW-10 @ 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 20185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Total/NA	Solid	8015NM Prep	
880-11698-2	CS-SW-9 @ 2'	Total/NA	Solid	8015NM Prep	
880-11698-3	CS-SW-10 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-20185/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20185/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20185/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1995-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1995-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Total/NA	Solid	8015B NM	20185
880-11698-2	CS-SW-9 @ 2'	Total/NA	Solid	8015B NM	20185
880-11698-3	CS-SW-10 @ 2'	Total/NA	Solid	8015B NM	20185
MB 880-20185/1-A	Method Blank	Total/NA	Solid	8015B NM	20185
LCS 880-20185/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20185
LCSD 880-20185/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20185
890-1995-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20185
890-1995-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20185

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

GC Semi VOA

Analysis Batch: 20279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Total/NA	Solid	8015 NM	
880-11698-2	CS-SW-9 @ 2'	Total/NA	Solid	8015 NM	
880-11698-3	CS-SW-10 @ 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Soluble	Solid	DI Leach	
880-11698-2	CS-SW-9 @ 2'	Soluble	Solid	DI Leach	
880-11698-3	CS-SW-10 @ 2'	Soluble	Solid	DI Leach	
MB 880-20256/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20256/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20256/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11698-1 MS	CS-SW-8a @ 2'	Soluble	Solid	DI Leach	
880-11698-1 MSD	CS-SW-8a @ 2'	Soluble	Solid	DI Leach	

Analysis Batch: 20257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11698-1	CS-SW-8a @ 2'	Soluble	Solid	300.0	20256
880-11698-2	CS-SW-9 @ 2'	Soluble	Solid	300.0	20256
880-11698-3	CS-SW-10 @ 2'	Soluble	Solid	300.0	20256
MB 880-20256/1-A	Method Blank	Soluble	Solid	300.0	20256
LCS 880-20256/2-A	Lab Control Sample	Soluble	Solid	300.0	20256
LCSD 880-20256/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20256
880-11698-1 MS	CS-SW-8a @ 2'	Soluble	Solid	300.0	20256
880-11698-1 MSD	CS-SW-8a @ 2'	Soluble	Solid	300.0	20256

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Client Sample ID: CS-SW-8a @ 2'

Lab Sample ID: 880-11698-1

Date Collected: 02/23/22 15:10

Matrix: Solid

Date Received: 02/24/22 12:13

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	19723	02/24/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 17:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20281	02/24/22 20:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20279	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20185	02/24/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 17:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20256	02/24/22 16:37	CH	XEN MID
Soluble	Analysis	300.0		1			20257	02/24/22 20:04	CH	XEN MID

Client Sample ID: CS-SW-9 @ 2'

Lab Sample ID: 880-11698-2

Date Collected: 02/23/22 15:05

Matrix: Solid

Date Received: 02/24/22 12:13

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	19723	02/24/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 18:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20281	02/24/22 20:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20279	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20185	02/24/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 17:51	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20256	02/24/22 16:37	CH	XEN MID
Soluble	Analysis	300.0		1			20257	02/24/22 20:31	CH	XEN MID

Client Sample ID: CS-SW-10 @ 2'

Lab Sample ID: 880-11698-3

Date Collected: 02/23/22 15:00

Matrix: Solid

Date Received: 02/24/22 12:13

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	19723	02/24/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20184	02/24/22 18:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20281	02/24/22 20:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20279	02/24/22 19:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20185	02/24/22 13:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20187	02/24/22 18:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20256	02/24/22 16:37	CH	XEN MID
Soluble	Analysis	300.0		1			20257	02/24/22 20:40	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11698-1
SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11698-1	CS-SW-8a @ 2'	Solid	02/23/22 15:10	02/24/22 12:13	2'
880-11698-2	CS-SW-9 @ 2'	Solid	02/23/22 15:05	02/24/22 12:13	2'
880-11698-3	CS-SW-10 @ 2'	Solid	02/23/22 15:00	02/24/22 12:13	2'

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Environment Testing

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

Chain of Custody

Work Order No:

110010

www.xenco.com Page 1 of 1

Project Manager:	Jared Stoffel	Bill to: (if different)	TRC
Company Name:	TRC	Company Name:	
Address:	10 Delta Dr.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3607	Email:	Jared.Mitchell@TRC.com

Work Order Comments			
Program:	UST/PST ☐	PRR ☐	Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NM		
Reporting:	Level II ☐	Level III ☐	PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐	Adapt ☐	Other: ☐

Project Name:	COP Battle Ape		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:			☐ Routine	☒ Rush		24 hr											None: NO	DI Water: H ₂ O
Project Location:	TAY, MN		Due Date:														Cool: Cool	MeOH: Me
Sampler's Name:	MRS. BRYANT		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:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐										H ₃ PO ₄ : HP		
Samples Received Intact:	Yes ☒ No ☐		Thermometer ID:	1122											NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes ☒ No ☐		Correction Factor:	-1											Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes ☐ No ☒		Temperature Reading:	5.3											Zn Acetate+NaOH: Zn			
Total Containers:			Corrected Temperature:	5.2											NaOH+Ascorbic Acid: SACP			

[illegible]

880-11698 Chain of Custody



202

[illegible]

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, 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
Mati Ruyt		2/24/21			2/24/21
3			4		2:13
5			6		

Revised Date: 08/25/2020 Rev. 2002.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11698-1

SDG Number: Jal, NM

Login Number: 11698**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11729-1

Laboratory Sample Delivery Group: Lea County New Mexico
Client Project/Site: EPNG 3031 LS

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/1/2022 6:07:20 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Laboratory Job ID: 880-11729-1
SDG: Lea County New Mexico

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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)

Eurofins Midland

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Glossary (Continued)

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

- 1
- 2
- 3
- 4
- 5
- 6
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- 13
- 14

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Job ID: 880-11729-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11729-1****Receipt**

The sample was received on 2/25/2022 12:52 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The 2000x dilution reported Acceptable due to over dilution.WC-Water (880-11729-1), (880-11729-F-1 MS) and (880-11729-F-1 MSD)

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

General Chemistry

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Client Sample ID: WC-Water

Lab Sample ID: 880-11729-1

Date Collected: 02/24/22 15:40

Matrix: Water

Date Received: 02/25/22 12:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.13		0.200	0.0408 mg/L			03/01/22 13:32	100
Toluene	1.05		0.200	0.0367 mg/L			03/01/22 13:32	100
Ethylbenzene	0.0708	J	0.200	0.0657 mg/L			03/01/22 13:32	100
m-Xylene & p-Xylene	0.268	J	0.400	0.0629 mg/L			03/01/22 13:32	100
o-Xylene	0.204		0.200	0.0642 mg/L			03/01/22 13:32	100
Xylenes, Total	0.472		0.400	0.0642 mg/L			03/01/22 13:32	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130		03/01/22 13:32	100
1,4-Difluorobenzene (Surr)	98		70 - 130		03/01/22 13:32	100

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.72		0.400	0.0657 mg/L			02/28/22 19:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	10.4		4.48	0.885 mg/L			02/28/22 19:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	10.4		4.48	0.885 mg/L		02/25/22 16:00	02/26/22 08:20	1
Diesel Range Organics (Over C10-C28)	<0.885	U	4.48	0.885 mg/L		02/25/22 16:00	02/26/22 08:20	1
Oil Range Organics (Over C28-C36)	<0.854	U	4.48	0.854 mg/L		02/25/22 16:00	02/26/22 08:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130			02/25/22 16:00	02/26/22 08:20	1
o-Terphenyl	87		70 - 130			02/25/22 16:00	02/26/22 08:20	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51100		500	21.0 mg/L			02/25/22 19:05	1000

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>180			Degrees F			02/28/22 10:20	1
Cyanide, Reactive	<0.0115	U	0.0250	0.0115 mg/L		02/28/22 09:14	02/28/22 18:01	1
Sulfide, Reactive	<1.25	U	6.25	1.25 mg/L		02/28/22 09:14	02/28/22 12:23	1
pH	7.06	HF		S.U.			03/01/22 11:46	1
Temperature	13.6	HF		Degrees C			03/01/22 11:46	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

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)
880-11534-C-1 MS	Matrix Spike	106	112
880-11534-C-1 MSD	Matrix Spike Duplicate	73	99
880-11729-1	WC-Water	118	98
LCS 880-20575/3	Lab Control Sample	97	81
LCSD 880-20575/4	Lab Control Sample Dup	102	109
MB 880-20575/8	Method Blank	82	81
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11511-G-1-A MS	Matrix Spike	70	62 S1-
880-11511-G-1-B MSD	Matrix Spike Duplicate	74	67 S1-
880-11729-1	WC-Water	78	87
LCS 880-20159/2-A	Lab Control Sample	110	110
LCSD 880-20159/3-A	Lab Control Sample Dup	114	117
MB 880-20159/1-A	Method Blank	97	114
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20575/8

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00200	0.000408 mg/L			03/01/22 04:23	1
Toluene	<0.000367	U	0.00200	0.000367 mg/L			03/01/22 04:23	1
Ethylbenzene	<0.000657	U	0.00200	0.000657 mg/L			03/01/22 04:23	1
m-Xylene & p-Xylene	<0.000629	U	0.00400	0.000629 mg/L			03/01/22 04:23	1
o-Xylene	<0.000642	U	0.00200	0.000642 mg/L			03/01/22 04:23	1
Xylenes, Total	<0.000642	U	0.00400	0.000642 mg/L			03/01/22 04:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130		03/01/22 04:23	1
1,4-Difluorobenzene (Surr)	81		70 - 130		03/01/22 04:23	1

Lab Sample ID: LCS 880-20575/3

Matrix: Water

Analysis Batch: 20575

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	0.08604		mg/L		86	70 - 130
Toluene	0.100	0.08462		mg/L		85	70 - 130
Ethylbenzene	0.100	0.07976		mg/L		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1757		mg/L		88	70 - 130
o-Xylene	0.100	0.09567		mg/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-20575/4

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08642		mg/L		86	70 - 130	0	20
Toluene	0.100	0.08254		mg/L		83	70 - 130	2	20
Ethylbenzene	0.100	0.08481		mg/L		85	70 - 130	6	20
m-Xylene & p-Xylene	0.200	0.1762		mg/L		88	70 - 130	0	20
o-Xylene	0.100	0.09197		mg/L		92	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-11534-C-1 MS

Matrix: Water

Analysis Batch: 20575

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	<0.000408	U F1	0.100	0.08755		mg/L		88	70 - 130
Toluene	<0.000367	U F1	0.100	0.08251		mg/L		83	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

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

Lab Sample ID: 880-11534-C-1 MS

Matrix: Water

Analysis Batch: 20575

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	<0.000657	U F1	0.100	0.08686		mg/L		87	70 - 130
m-Xylene & p-Xylene	<0.000629	U F2 F1	0.200	0.1822		mg/L		91	70 - 130
o-Xylene	<0.000642	U F1	0.100	0.09788		mg/L		98	70 - 130

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

Lab Sample ID: 880-11534-C-1 MSD

Matrix: Water

Analysis Batch: 20575

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	<0.000408	U F1	0.100	<0.000408	U F1	mg/L		0	70 - 130	NC	25
Toluene	<0.000367	U F1	0.100	<0.000367	U F1	mg/L		0	70 - 130	NC	25
Ethylbenzene	<0.000657	U F1	0.100	<0.000657	U F1	mg/L		0	70 - 130	NC	25
m-Xylene & p-Xylene	<0.000629	U F2 F1	0.200	0.001110	J F2 F1	mg/L		0.6	70 - 130	198	25
o-Xylene	<0.000642	U F1	0.100	<0.000642	U F1	mg/L		0	70 - 130	NC	25

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-20159/1-A

Matrix: Water

Analysis Batch: 20310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20159

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<0.904	U	4.57	0.904 mg/L		02/23/22 15:02	02/25/22 23:05	1
Diesel Range Organics (Over C10-C28)	<0.904	U	4.57	0.904 mg/L		02/23/22 15:02	02/25/22 23:05	1
Oil Range Organics (Over C28-C36)	<0.872	U	4.57	0.872 mg/L		02/23/22 15:02	02/25/22 23:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	02/23/22 15:02	02/25/22 23:05	1
o-Terphenyl	114		70 - 130	02/23/22 15:02	02/25/22 23:05	1

Lab Sample ID: LCS 880-20159/2-A

Matrix: Water

Analysis Batch: 20310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	91.7	86.14		mg/L		94	75 - 125
Diesel Range Organics (Over C10-C28)	91.7	95.60		mg/L		104	75 - 125

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

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

Lab Sample ID: LCS 880-20159/2-A

Matrix: Water

Analysis Batch: 20310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20159

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

Lab Sample ID: LCSD 880-20159/3-A

Matrix: Water

Analysis Batch: 20310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20159

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	92.0	90.90		mg/L		99	75 - 125	5	20
Diesel Range Organics (Over C10-C28)	92.0	103.7		mg/L		113	75 - 125	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	117		70 - 130

Lab Sample ID: 880-11511-G-1-A MS

Matrix: Water

Analysis Batch: 20310

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20159

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	<0.893	U	90.4	94.31		mg/L		104	75 - 125		
Diesel Range Organics (Over C10-C28)	<0.893	U	90.4	87.13		mg/L		96	75 - 125		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	70		70 - 130
o-Terphenyl	62	S1-	70 - 130

Lab Sample ID: 880-11511-G-1-B MSD

Matrix: Water

Analysis Batch: 20310

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20159

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	<0.895	U	90.6	98.15		mg/L		108	75 - 125	4	20
Diesel Range Organics (Over C10-C28)	<0.895	U	90.6	94.91		mg/L		105	75 - 125	9	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	67	S1-	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20344/3

Matrix: Water

Analysis Batch: 20344

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.0210	U	0.500	0.0210 mg/L			02/25/22 16:51	1

Lab Sample ID: LCS 880-20344/4

Matrix: Water

Analysis Batch: 20344

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	27.22		mg/L		109	90 - 110

Lab Sample ID: LCSD 880-20344/5

Matrix: Water

Analysis Batch: 20344

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
Chloride	25.0	26.53		mg/L		106	90 - 110	3	20

Lab Sample ID: 880-11729-1 MS

Matrix: Water

Analysis Batch: 20344

Client Sample ID: WC-Water

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	51100		25000	77730		mg/L		107	90 - 110

Lab Sample ID: 880-11729-1 MSD

Matrix: Water

Analysis Batch: 20344

Client Sample ID: WC-Water

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	51100		25000	75640		mg/L		98	90 - 110	3	20

Method: 1010 - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: 880-11729-1 DU

Matrix: Water

Analysis Batch: 43173

Client Sample ID: WC-Water

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>180		>180.0		Degrees F		NC	25

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 860-43097/1-A

Matrix: Water

Analysis Batch: 43203

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43097

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	<0.0115	U	0.0250	0.0115 mg/L		02/28/22 09:14	02/28/22 17:54	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 860-43097/2-A

Matrix: Water

Analysis Batch: 43203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	20.0	3.599		mg/L		18	5 - 40

Lab Sample ID: LCSD 860-43097/3-A

Matrix: Water

Analysis Batch: 43203

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43097

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Reactive	20.0	3.700		mg/L		19	5 - 40	3	20

Lab Sample ID: 890-1992-A-1-D DU

Matrix: Water

Analysis Batch: 43203

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 43097

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	<0.0115	U	<0.0115	U	mg/L		NC	20

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 860-43067/1-A

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 43067

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	<1.25	U	6.25	1.25 mg/L		02/28/22 09:14	02/28/22 12:23	1

Lab Sample ID: LCS 860-43067/2-A

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 43067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	50.0	48.09		mg/L		96	30 - 120

Lab Sample ID: LCSD 860-43067/3-A

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 43067

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide, Reactive	50.0	48.09		mg/L		96	30 - 120	0	20

Lab Sample ID: 890-1992-A-1-B DU

Matrix: Water

Analysis Batch: 43117

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 43067

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide, Reactive	5.01	J	5.009	J	mg/L		0	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Method: 9040C - pH

Lab Sample ID: 880-11729-1 DU
Matrix: Water
Analysis Batch: 43274

Client Sample ID: WC-Water
Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	Limit
pH	7.06	HF	7.070		S.U.		0.1	20
Temperature	13.6	HF	13.70		Degrees C		0.7	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

GC VOA

Analysis Batch: 20556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	Total BTEX	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	8021B	
MB 880-20575/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20575/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20575/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-11534-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-11534-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

GC Semi VOA

Prep Batch: 20159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	8015NM Aq Prep	
MB 880-20159/1-A	Method Blank	Total/NA	Water	8015NM Aq Prep	
LCS 880-20159/2-A	Lab Control Sample	Total/NA	Water	8015NM Aq Prep	
LCSD 880-20159/3-A	Lab Control Sample Dup	Total/NA	Water	8015NM Aq Prep	
880-11511-G-1-A MS	Matrix Spike	Total/NA	Water	8015NM Aq Prep	
880-11511-G-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015NM Aq Prep	

Analysis Batch: 20310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	8015B NM	20159
MB 880-20159/1-A	Method Blank	Total/NA	Water	8015B NM	20159
LCS 880-20159/2-A	Lab Control Sample	Total/NA	Water	8015B NM	20159
LCSD 880-20159/3-A	Lab Control Sample Dup	Total/NA	Water	8015B NM	20159
880-11511-G-1-A MS	Matrix Spike	Total/NA	Water	8015B NM	20159
880-11511-G-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B NM	20159

Analysis Batch: 20569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	8015 NM	

HPLC/IC

Analysis Batch: 20344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	300.0	
MB 880-20344/3	Method Blank	Total/NA	Water	300.0	
LCS 880-20344/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-20344/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-11729-1 MS	WC-Water	Total/NA	Water	300.0	
880-11729-1 MSD	WC-Water	Total/NA	Water	300.0	

General Chemistry

Prep Batch: 43067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	7.3.4	
MB 860-43067/1-A	Method Blank	Total/NA	Water	7.3.4	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

General Chemistry (Continued)

Prep Batch: 43067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-43067/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCSD 860-43067/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.4	
890-1992-A-1-B DU	Duplicate	Total/NA	Water	7.3.4	

Prep Batch: 43097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	7.3.3	
MB 860-43097/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 860-43097/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
LCSD 860-43097/3-A	Lab Control Sample Dup	Total/NA	Water	7.3.3	
890-1992-A-1-D DU	Duplicate	Total/NA	Water	7.3.3	

Analysis Batch: 43117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	9034	43067
MB 860-43067/1-A	Method Blank	Total/NA	Water	9034	43067
LCS 860-43067/2-A	Lab Control Sample	Total/NA	Water	9034	43067
LCSD 860-43067/3-A	Lab Control Sample Dup	Total/NA	Water	9034	43067
890-1992-A-1-B DU	Duplicate	Total/NA	Water	9034	43067

Analysis Batch: 43173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	1010	
LCS 860-43173/4	Lab Control Sample	Total/NA	Water	1010	
880-11729-1 DU	WC-Water	Total/NA	Water	1010	

Analysis Batch: 43203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	9012	43097
MB 860-43097/1-A	Method Blank	Total/NA	Water	9012	43097
LCS 860-43097/2-A	Lab Control Sample	Total/NA	Water	9012	43097
LCSD 860-43097/3-A	Lab Control Sample Dup	Total/NA	Water	9012	43097
890-1992-A-1-D DU	Duplicate	Total/NA	Water	9012	43097

Analysis Batch: 43274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11729-1	WC-Water	Total/NA	Water	9040C	
880-11729-1 DU	WC-Water	Total/NA	Water	9040C	

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Client Sample ID: WC-Water

Lab Sample ID: 880-11729-1

Date Collected: 02/24/22 15:40

Matrix: Water

Date Received: 02/25/22 12:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		100	5 mL	5 mL	20575	03/01/22 13:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 19:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20569	02/28/22 19:41	AJ	XEN MID
Total/NA	Prep	8015NM Aq Prep			33.5 mL	3 mL	20159	02/25/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20310	02/26/22 08:20	AJ	XEN MID
Total/NA	Analysis	300.0		1000			20344	02/25/22 19:05	SC	XEN MID
Total/NA	Analysis	1010		1			43173	02/28/22 10:20	PSC	XEN STF
Total/NA	Prep	7.3.3			10 g	50 mL	43097	02/28/22 09:14	BM	XEN STF
Total/NA	Analysis	9012		1	10 mL	10 mL	43203	02/28/22 18:01	YVD	XEN STF
Total/NA	Prep	7.3.4			10 g	50 mL	43067	02/28/22 09:14	BM	XEN STF
Total/NA	Analysis	9034		1	40 mL	50 mL	43117	02/28/22 12:23	BM	XEN STF
Total/NA	Analysis	9040C		1			43274	03/01/22 11:46	TL	XEN STF

Laboratory References:

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

XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Water	Total TPH
Total BTEX		Water	Total BTEX

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-21-44	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9012	7.3.3	Water	Cyanide, Reactive
9034	7.3.4	Water	Sulfide, Reactive
9040C		Water	Temperature

Eurofins Midland

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11729-1
SDG: Lea County New Mexico

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	XEN STF
9012	Cyanide, Reactive	SW846	XEN STF
9034	Sulfide, Reactive	SW846	XEN STF
9040C	pH	SW846	XEN STF
5030B	Purge and Trap	SW846	XEN MID
7.3.3	Cyanide, Reactive	SW846	XEN STF
7.3.4	Sulfide, Reactive	SW846	XEN STF
8015NM Aq Prep	Microextraction	SW846	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440
XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

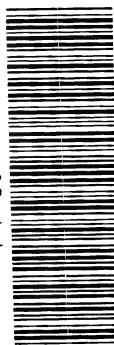
Job ID: 880-11729-1
SDG: Lea County New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11729-1	WC-Water	Water	02/24/22 15:40	02/25/22 12:52

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

Xenco Laboratories

The Environmental Lab of Texas



880-11729 Chain of Custody

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST12600 West I-20 East
Odessa, Texas 79765Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Jared Stoffel

Project Name: EPNP 3031 LS

Company Name: TRC Companies, Inc

Project #: 483592.0000.0000

Company Address: 10 Destia Drive, Suite 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland, TX 79703

PO #:

Telephone No: 432.520.7720

Fax No: 432.520.7701

Report Format:

☒ Standard☐ TRRP☐ NPDES

Sampler Signature: FOR Frank Martinez

e-mail:

jstoffer@trccompanies.com

glen.thompson@kindermorgan.com

(lab use only)

ORDER #: 11729

LAB # (lab use only)

FIELD CODE

WC-Water

Beginning Depth

Ending Depth

Date Sampled

2/24/2022

Time Sampled

1540

Field Filtered

Total #. of Containers

1

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

W

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 418.1 8015M 8015B

TPH: TX 1005 TX 1006

Cations (Ca, Mg, Na, K)

Anions (Cl, SO₄, Alkalinity)

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

BTEX: 8021B 5030 or BTEX 8260

RCI

N.O.R.M.

Chlorides E 300.1

TCLP Benzene

RUSH TAT (Pre-Schedule)

Standard TAT

Special Instructions:

Bill to Glen Thompson @ Kinder Morgan

Relinquished by:

Relinquished by:

Date Time

Received by:

Received by:

Date Time

Date Time

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Custody seals on container(s)

Sample Hand Delivered by Sampler/Client Rep.?

Temperature Upon Receipt:

by Courier?

UPS DHL FedEx Lone Star

3.3/3.2 -1 °C

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

Eurofins Midland
1211 W Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

ns
Environment Testing
America



Client Information (Sub Contract Lab)

Temp: 0.4 IR ID:HOU-323
C/F:+0.2
Corrected Temp: 0.6

880-11729 Chain of Custody

Shipping/Receiving

Lab Pk: Kramer Jessica
E-Mail: Jessica.Kramer@eurofins.com

Page 1 of 1

Eurofins Environment Testing South Cent

Address: 4145 Greenbriar Dr
City: Stafford
State, Zip: TX, 77477
Phone: 281-240-4200 (toll free)
Email: Project # 88000800
SSOW#:

Accreditations Required (See note): NELAP Texas

Due Date Requested: 2/27/2022

Analysis Requested

Job # 880-11729-1

Sample Identification Client ID (Lab ID)

Sample Date 2/24/22
Sample Time 15:40
Sample Type (C=comp, G=grab)
Matrix (W=water, S=solid, O=other)
Preservation Code

Field Filtered Sample (Yes or No)
Perform MS/MSD (Yes or No)

WC-Water (880-11729-1)

9012_ReactiveCN/7.3.3
9034_Reactive/7.3.4
9040C
1010_Calc

Total Number of containers 1

Special Instructions/Note:

Preservation Codes:
A. HCL
B. NaOH
C. Zn Acetate
D. Nitric Acid
E. NaHSO4
F. MeOH
G. Amelher
H. Ascorbic Acid
I. Ice
J. DI Water
K. EDTA
L. EDA
M. Hexane
N. None
O. AsHCO2
P. Na2CO3
Q. Na2SO3
R. Na2S2O3
S. H2SO4
T. TSP Dodecahydrate
U. Acetone
V. MCAA
W. pH 4.5
Z. other (specify)

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Method of Shipment:

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements:

Unconfirmed

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/OC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Method of Shipment:

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements:

Unconfirmed

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/OC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Method of Shipment:

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements:

Unconfirmed

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/OC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Method of Shipment:

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements:

Unconfirmed

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/OC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Method of Shipment:

Primary Deliverable Rank: 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months

Special Instructions/OC Requirements:

Unconfirmed

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/OC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Method of Shipment:

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11729-1

SDG Number: Lea County New Mexico

Login Number: 11729

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11729-1

SDG Number: Lea County New Mexico

Login Number: 11729

List Number: 2

Creator: Torres, Sandra

List Source: Eurofins Houston

List Creation: 02/26/22 03:18 PM

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	0.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11731-1
Laboratory Sample Delivery Group: Jal, NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/28/2022 3:53:07 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 880-11731-1
SDG: Jal, NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Job ID: 880-11731-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11731-1****Receipt**

The samples were received on 2/25/2022 12:48 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 3.2°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 880-20376 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-20335/1-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

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-1 @ 6'

Lab Sample ID: 880-11731-1

Date Collected: 02/24/22 13:10

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/25/22 13:38	02/27/22 05:37	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/25/22 13:38	02/27/22 05:37	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/25/22 13:38	02/27/22 05:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/25/22 13:38	02/27/22 05:37	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/25/22 13:38	02/27/22 05:37	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/25/22 13:38	02/27/22 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/25/22 13:38	02/27/22 05:37	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/25/22 13:38	02/27/22 05:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 00:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 00:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 00:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	02/25/22 14:41	02/26/22 00:15	1
o-Terphenyl	100		70 - 130	02/25/22 14:41	02/26/22 00:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		4.98	mg/Kg			02/25/22 17:48	1

Client Sample ID: CS-SW-1 @ 6'

Lab Sample ID: 880-11731-2

Date Collected: 02/24/22 13:15

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 05:58	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 05:58	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 05:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/25/22 13:38	02/27/22 05:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 05:58	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/25/22 13:38	02/27/22 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/25/22 13:38	02/27/22 05:58	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/25/22 13:38	02/27/22 05:58	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-1 @ 6'

Lab Sample ID: 880-11731-2

Date Collected: 02/24/22 13:15

Matrix: Solid

Date Received: 02/25/22 12:48

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 01:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 01:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 01:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			02/25/22 14:41	02/26/22 01:24	1
o-Terphenyl	88		70 - 130			02/25/22 14:41	02/26/22 01:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.8		4.97	mg/Kg			02/25/22 17:56	1

Client Sample ID: CS-SW-2 @ 6'

Lab Sample ID: 880-11731-3

Date Collected: 02/24/22 13:20

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 06:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:18	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 06:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			02/25/22 13:38	02/27/22 06:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130			02/25/22 13:38	02/27/22 06:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 01:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 01:46	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-2 @ 6'

Lab Sample ID: 880-11731-3

Date Collected: 02/24/22 13:20

Matrix: Solid

Date Received: 02/25/22 12:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 01:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			02/25/22 14:41	02/26/22 01:46	1
o-Terphenyl	100		70 - 130			02/25/22 14:41	02/26/22 01:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	396		4.95	mg/Kg			02/25/22 18:06	1

Client Sample ID: CS-SW-2 @ 10'

Lab Sample ID: 880-11731-4

Date Collected: 02/24/22 13:25

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:38	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:38	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:38	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/25/22 13:38	02/27/22 06:38	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:38	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/25/22 13:38	02/27/22 06:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			02/25/22 13:38	02/27/22 06:38	1
1,4-Difluorobenzene (Surr)	94		70 - 130			02/25/22 13:38	02/27/22 06:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 02:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 02:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 02:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130			02/25/22 14:41	02/26/22 02:09	1
o-Terphenyl	84		70 - 130			02/25/22 14:41	02/26/22 02:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94.8		4.95	mg/Kg			02/25/22 18:32	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-30 @ 8'

Lab Sample ID: 880-11731-5

Date Collected: 02/24/22 13:30

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 06:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 06:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/25/22 13:38	02/27/22 06:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/25/22 13:38	02/27/22 06:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 02:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 02:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	02/25/22 14:41	02/26/22 02:31	1
o-Terphenyl	103		70 - 130	02/25/22 14:41	02/26/22 02:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.9		5.05	mg/Kg			02/25/22 18:41	1

Client Sample ID: CS-SW-31 @ 8'

Lab Sample ID: 880-11731-6

Date Collected: 02/24/22 13:35

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 07:19	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 07:19	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 07:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		02/25/22 13:38	02/27/22 07:19	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 07:19	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		02/25/22 13:38	02/27/22 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	02/25/22 13:38	02/27/22 07:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/25/22 13:38	02/27/22 07:19	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-31 @ 8'

Lab Sample ID: 880-11731-6

Date Collected: 02/24/22 13:35

Matrix: Solid

Date Received: 02/25/22 12:48

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 02:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 02:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 02:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130			02/25/22 14:41	02/26/22 02:54	1
o-Terphenyl	91		70 - 130			02/25/22 14:41	02/26/22 02:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.98	mg/Kg			02/25/22 18:50	1

Client Sample ID: CS-SW-32 @ 8'

Lab Sample ID: 880-11731-7

Date Collected: 02/24/22 13:40

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 07:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 07:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 07:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/25/22 13:38	02/27/22 07:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 07:40	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/25/22 13:38	02/27/22 07:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			02/25/22 13:38	02/27/22 07:40	1
1,4-Difluorobenzene (Surr)	101		70 - 130			02/25/22 13:38	02/27/22 07:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 03:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 03:16	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-32 @ 8'

Lab Sample ID: 880-11731-7

Date Collected: 02/24/22 13:40

Matrix: Solid

Date Received: 02/25/22 12:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 03:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			02/25/22 14:41	02/26/22 03:16	1
o-Terphenyl	104		70 - 130			02/25/22 14:41	02/26/22 03:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.5		4.95	mg/Kg			02/26/22 17:47	1

Client Sample ID: CS-SW-33 @ 8'

Lab Sample ID: 880-11731-8

Date Collected: 02/24/22 13:45

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 08:00	1
Toluene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 08:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 08:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		02/25/22 13:38	02/27/22 08:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		02/25/22 13:38	02/27/22 08:00	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		02/25/22 13:38	02/27/22 08:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			02/25/22 13:38	02/27/22 08:00	1
1,4-Difluorobenzene (Surr)	101		70 - 130			02/25/22 13:38	02/27/22 08:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 03:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 03:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 03:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			02/25/22 14:41	02/26/22 03:39	1
o-Terphenyl	105		70 - 130			02/25/22 14:41	02/26/22 03:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	562		4.97	mg/Kg			02/25/22 19:07	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-10 @ 6'

Lab Sample ID: 880-11731-9

Date Collected: 02/24/22 13:50

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 08:21	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 08:21	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 08:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/25/22 13:38	02/27/22 08:21	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 08:21	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/25/22 13:38	02/27/22 08:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	02/25/22 13:38	02/27/22 08:21	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/25/22 13:38	02/27/22 08:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 04:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 04:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 04:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	02/25/22 14:41	02/26/22 04:03	1
o-Terphenyl	105		70 - 130	02/25/22 14:41	02/26/22 04:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		4.95	mg/Kg			02/25/22 19:16	1

Client Sample ID: TB-022422

Lab Sample ID: 880-11731-10

Date Collected: 02/24/22 00:00

Matrix: Water

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			02/28/22 01:33	1
Toluene	<0.00200	U	0.00200	mg/L			02/28/22 01:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			02/28/22 01:33	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			02/28/22 01:33	1
o-Xylene	<0.00200	U	0.00200	mg/L			02/28/22 01:33	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			02/28/22 01:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130		02/28/22 01:33	1
1,4-Difluorobenzene (Surr)	81		70 - 130		02/28/22 01:33	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: TB-022422

Lab Sample ID: 880-11731-10

Date Collected: 02/24/22 00:00

Matrix: Water

Date Received: 02/25/22 12:48

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/L			02/28/22 10:45	1

Client Sample ID: CS-SW-7 @ 6'

Lab Sample ID: 880-11731-11

Date Collected: 02/24/22 10:30

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/25/22 13:38	02/27/22 08:41	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/25/22 13:38	02/27/22 08:41	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/25/22 13:38	02/27/22 08:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/25/22 13:38	02/27/22 08:41	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/25/22 13:38	02/27/22 08:41	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/25/22 13:38	02/27/22 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	02/25/22 13:38	02/27/22 08:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/25/22 13:38	02/27/22 08:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 04:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 04:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	02/25/22 14:41	02/26/22 04:25	1
o-Terphenyl	99		70 - 130	02/25/22 14:41	02/26/22 04:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.4		5.00	mg/Kg			02/25/22 19:43	1

Client Sample ID: CS-SW-8 @ 6'

Lab Sample ID: 880-11731-12

Date Collected: 02/24/22 10:35

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 10:32	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 10:32	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 10:32	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-8 @ 6'

Lab Sample ID: 880-11731-12

Date Collected: 02/24/22 10:35

Matrix: Solid

Date Received: 02/25/22 12:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/25/22 13:38	02/27/22 10:32	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/25/22 13:38	02/27/22 10:32	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/25/22 13:38	02/27/22 10:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			02/25/22 13:38	02/27/22 10:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130			02/25/22 13:38	02/27/22 10:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			02/28/22 10:45	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 05:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 05:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/25/22 14:41	02/26/22 05:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			02/25/22 14:41	02/26/22 05:10	1
o-Terphenyl	99		70 - 130			02/25/22 14:41	02/26/22 05:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.4		5.02	mg/Kg			02/25/22 19:52	1

Client Sample ID: CS-SW-9 @ 6'

Lab Sample ID: 880-11731-13

Date Collected: 02/24/22 10:40

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 10:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 10:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 10:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 10:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 10:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 10:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			02/25/22 13:38	02/27/22 10:53	1
1,4-Difluorobenzene (Surr)	101		70 - 130			02/25/22 13:38	02/27/22 10:53	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/28/22 10:45	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-9 @ 6'

Lab Sample ID: 880-11731-13

Date Collected: 02/24/22 10:40

Matrix: Solid

Date Received: 02/25/22 12:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 05:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 05:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/26/22 05:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			02/25/22 14:41	02/26/22 05:31	1
o-Terphenyl	94		70 - 130			02/25/22 14:41	02/26/22 05:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.9		5.04	mg/Kg			02/25/22 20:18	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, 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)
880-11731-1	CS-SW-1 @ 6'	107	100
880-11731-1 MS	CS-SW-1 @ 6'	99	99
880-11731-1 MSD	CS-SW-1 @ 6'	105	100
880-11731-2	CS-SW-1 @ 6'	103	98
880-11731-3	CS-SW-2 @ 6'	104	98
880-11731-4	CS-SW-2 @ 10'	116	94
880-11731-5	CS-SW-30 @ 8'	107	101
880-11731-6	CS-SW-31 @ 8'	109	102
880-11731-7	CS-SW-32 @ 8'	107	101
880-11731-8	CS-SW-33 @ 8'	107	101
880-11731-9	CS-SW-10 @ 6'	106	101
880-11731-11	CS-SW-7 @ 6'	107	100
880-11731-12	CS-SW-8 @ 6'	103	99
880-11731-13	CS-SW-9 @ 6'	108	101
LCS 880-20320/1-A	Lab Control Sample	106	100
LCSD 880-20320/2-A	Lab Control Sample Dup	104	101
MB 880-20198/5-A	Method Blank	97	96
MB 880-20320/5-A	Method Blank	98	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)
880-11511-F-1 MS	Matrix Spike	120	122
880-11511-F-1 MSD	Matrix Spike Duplicate	118	126
880-11731-10	TB-022422	126	81
LCS 880-20376/65	Lab Control Sample	113	94
LCSD 880-20376/66	Lab Control Sample Dup	112	106
MB 880-20207/5-A	Method Blank	89	79
MB 880-20376/70	Method Blank	92	108
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)
880-11731-1	CS-SW-1 @ 6'	98	100
880-11731-1 MS	CS-SW-1 @ 6'	90	83
880-11731-1 MSD	CS-SW-1 @ 6'	92	83
880-11731-2	CS-SW-1 @ 6'	88	88

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11731-3	CS-SW-2 @ 6'	99	100
880-11731-4	CS-SW-2 @ 10'	86	84
880-11731-5	CS-SW-30 @ 8'	102	103
880-11731-6	CS-SW-31 @ 8'	90	91
880-11731-7	CS-SW-32 @ 8'	103	104
880-11731-8	CS-SW-33 @ 8'	104	105
880-11731-9	CS-SW-10 @ 6'	105	105
880-11731-11	CS-SW-7 @ 6'	102	99
880-11731-12	CS-SW-8 @ 6'	99	99
880-11731-13	CS-SW-9 @ 6'	94	94
LCS 880-20335/2-A	Lab Control Sample	78	77
LCSD 880-20335/3-A	Lab Control Sample Dup	108	104
MB 880-20335/1-A	Method Blank	122	131 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20198/5-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20198

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/24/22 10:28	02/26/22 17:30	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/24/22 10:28	02/26/22 17:30	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/24/22 10:28	02/26/22 17:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/24/22 10:28	02/26/22 17:30	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/24/22 10:28	02/26/22 17:30	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/24/22 10:28	02/26/22 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/24/22 10:28	02/26/22 17:30	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/24/22 10:28	02/26/22 17:30	1

Lab Sample ID: MB 880-20207/5-A

Matrix: Water

Analysis Batch: 20376

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20207

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L		02/24/22 10:58	02/27/22 03:50	1
Toluene	<0.00200	U	0.00200	mg/L		02/24/22 10:58	02/27/22 03:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/L		02/24/22 10:58	02/27/22 03:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L		02/24/22 10:58	02/27/22 03:50	1
o-Xylene	<0.00200	U	0.00200	mg/L		02/24/22 10:58	02/27/22 03:50	1
Xylenes, Total	<0.00400	U	0.00400	mg/L		02/24/22 10:58	02/27/22 03:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	02/24/22 10:58	02/27/22 03:50	1
1,4-Difluorobenzene (Surr)	79		70 - 130	02/24/22 10:58	02/27/22 03:50	1

Lab Sample ID: MB 880-20320/5-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20320

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 05:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/25/22 13:38	02/27/22 05:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/25/22 13:38	02/27/22 05:08	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

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

Lab Sample ID: LCS 880-20320/1-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1141		mg/Kg		114	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2510		mg/Kg		126	70 - 130
o-Xylene	0.100	0.1238		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-20320/2-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1083		mg/Kg		108	70 - 130	5	35
Toluene	0.100	0.1018		mg/Kg		102	70 - 130	5	35
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2340		mg/Kg		117	70 - 130	7	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-11731-1 MS

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: CS-SW-1 @ 6'

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00198	U	0.101	0.09978		mg/Kg		99	70 - 130
Toluene	<0.00198	U	0.101	0.09284		mg/Kg		91	70 - 130
Ethylbenzene	<0.00198	U	0.101	0.09229		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.202	0.2137		mg/Kg		106	70 - 130
o-Xylene	<0.00198	U	0.101	0.1055		mg/Kg		104	70 - 130

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

Lab Sample ID: 880-11731-1 MSD

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: CS-SW-1 @ 6'

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.09418		mg/Kg		94	70 - 130	6	35
Toluene	<0.00198	U	0.101	0.08966		mg/Kg		89	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.101	0.08988		mg/Kg		89	70 - 130	3	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

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

Lab Sample ID: 880-11731-1 MSD

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: CS-SW-1 @ 6'

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00396	U	0.201	0.2102		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.00198	U	0.101	0.1027		mg/Kg		102	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

Lab Sample ID: MB 880-20376/70

Matrix: Water

Analysis Batch: 20376

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			02/27/22 19:04	1
Toluene	<0.00200	U	0.00200	mg/L			02/27/22 19:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			02/27/22 19:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			02/27/22 19:04	1
o-Xylene	<0.00200	U	0.00200	mg/L			02/27/22 19:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			02/27/22 19:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				02/27/22 19:04	1
1,4-Difluorobenzene (Surr)	108		70 - 130				02/27/22 19:04	1

Lab Sample ID: LCS 880-20376/65

Matrix: Water

Analysis Batch: 20376

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	0.09533		mg/L		95	70 - 130	
Toluene	0.100	0.1073		mg/L		107	70 - 130	
Ethylbenzene	0.100	0.1153		mg/L		115	70 - 130	
m-Xylene & p-Xylene	0.200	0.2469		mg/L		123	70 - 130	
o-Xylene	0.100	0.1168		mg/L		117	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene (Surr)	113		70 - 130					
1,4-Difluorobenzene (Surr)	94		70 - 130					

Lab Sample ID: LCSD 880-20376/66

Matrix: Water

Analysis Batch: 20376

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	0.1032		mg/L		103	70 - 130	8	20
Toluene	0.100	0.1001		mg/L		100	70 - 130	7	20
Ethylbenzene	0.100	0.1050		mg/L		105	70 - 130	9	20
m-Xylene & p-Xylene	0.200	0.2266		mg/L		113	70 - 130	9	20
o-Xylene	0.100	0.1042		mg/L		104	70 - 130	11	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

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

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

Lab Sample ID: 880-11511-F-1 MS

Matrix: Water

Analysis Batch: 20376

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 F1	0.100	<0.00200	U F1	mg/L		0.9	70 - 130
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		1	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		1	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.200	<0.00400	U F1	mg/L		1	70 - 130
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0.9	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 880-11511-F-1 MSD

Matrix: Water

Analysis Batch: 20376

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	Limit
Benzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
Ethylbenzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
m-Xylene & p-Xylene	<0.00400	U F1	0.200	<0.00400	U F1	mg/L		0	70 - 130	NC	25
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	126		70 - 130

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

Lab Sample ID: MB 880-20335/1-A

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20335

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		02/25/22 14:41	02/25/22 23:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/25/22 23:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/25/22 14:41	02/25/22 23:05	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	122		70 - 130	02/25/22 14:41	02/25/22 23:05	1		
o-Terphenyl	131	S1+	70 - 130	02/25/22 14:41	02/25/22 23:05	1		

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

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

Lab Sample ID: LCS 880-20335/2-A

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20335

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	769.8		mg/Kg		77	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	898.0		mg/Kg		90	70 - 130		

Lab Sample ID: LCSD 880-20335/3-A

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20335

			Spike	LCSD	LCSD				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	864.5		mg/Kg		86	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	1011		mg/Kg		101	70 - 130	12	20
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	108		70 - 130								
o-Terphenyl	104		70 - 130								

Lab Sample ID: 880-11731-1 MS

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: CS-SW-1 @ 6'

Prep Type: Total/NA

Prep Batch: 20335

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1185		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1221		mg/Kg		122	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: 880-11731-1 MSD

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: CS-SW-1 @ 6'

Prep Type: Total/NA

Prep Batch: 20335

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1217		mg/Kg		122	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1205		mg/Kg		121	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

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

Lab Sample ID: 880-11731-1 MSD

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: CS-SW-1 @ 6'

Prep Type: Total/NA

Prep Batch: 20335

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	83		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20319/1-A

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<5.00	U	5.00	mg/Kg			02/25/22 16:45		1

Lab Sample ID: LCS 880-20319/2-A

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride			250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-20319/3-A

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	251.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-11731-9 MS

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: CS-SW-10 @ 6'

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Chloride	28.3		248	290.7		mg/Kg		106	90 - 110

Lab Sample ID: 880-11731-9 MSD

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: CS-SW-10 @ 6'

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	28.3		248	285.7		mg/Kg		104	90 - 110	2	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

GC VOA

Prep Batch: 20198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20198/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 20207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20207/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 20288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Total/NA	Solid	8021B	20320
880-11731-2	CS-SW-1 @ 6'	Total/NA	Solid	8021B	20320
880-11731-3	CS-SW-2 @ 6'	Total/NA	Solid	8021B	20320
880-11731-4	CS-SW-2 @ 10'	Total/NA	Solid	8021B	20320
880-11731-5	CS-SW-30 @ 8'	Total/NA	Solid	8021B	20320
880-11731-6	CS-SW-31 @ 8'	Total/NA	Solid	8021B	20320
880-11731-7	CS-SW-32 @ 8'	Total/NA	Solid	8021B	20320
880-11731-8	CS-SW-33 @ 8'	Total/NA	Solid	8021B	20320
880-11731-9	CS-SW-10 @ 6'	Total/NA	Solid	8021B	20320
880-11731-11	CS-SW-7 @ 6'	Total/NA	Solid	8021B	20320
880-11731-12	CS-SW-8 @ 6'	Total/NA	Solid	8021B	20320
880-11731-13	CS-SW-9 @ 6'	Total/NA	Solid	8021B	20320
MB 880-20198/5-A	Method Blank	Total/NA	Solid	8021B	20198
MB 880-20320/5-A	Method Blank	Total/NA	Solid	8021B	20320
LCS 880-20320/1-A	Lab Control Sample	Total/NA	Solid	8021B	20320
LCSD 880-20320/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20320
880-11731-1 MS	CS-SW-1 @ 6'	Total/NA	Solid	8021B	20320
880-11731-1 MSD	CS-SW-1 @ 6'	Total/NA	Solid	8021B	20320

Prep Batch: 20320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Total/NA	Solid	5035	
880-11731-2	CS-SW-1 @ 6'	Total/NA	Solid	5035	
880-11731-3	CS-SW-2 @ 6'	Total/NA	Solid	5035	
880-11731-4	CS-SW-2 @ 10'	Total/NA	Solid	5035	
880-11731-5	CS-SW-30 @ 8'	Total/NA	Solid	5035	
880-11731-6	CS-SW-31 @ 8'	Total/NA	Solid	5035	
880-11731-7	CS-SW-32 @ 8'	Total/NA	Solid	5035	
880-11731-8	CS-SW-33 @ 8'	Total/NA	Solid	5035	
880-11731-9	CS-SW-10 @ 6'	Total/NA	Solid	5035	
880-11731-11	CS-SW-7 @ 6'	Total/NA	Solid	5035	
880-11731-12	CS-SW-8 @ 6'	Total/NA	Solid	5035	
880-11731-13	CS-SW-9 @ 6'	Total/NA	Solid	5035	
MB 880-20320/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20320/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20320/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11731-1 MS	CS-SW-1 @ 6'	Total/NA	Solid	5035	
880-11731-1 MSD	CS-SW-1 @ 6'	Total/NA	Solid	5035	

Analysis Batch: 20376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-10	TB-022422	Total/NA	Water	8021B	
MB 880-20207/5-A	Method Blank	Total/NA	Water	8021B	20207

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

GC VOA (Continued)

Analysis Batch: 20376 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20376/70	Method Blank	Total/NA	Water	8021B	
LCS 880-20376/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20376/66	Lab Control Sample Dup	Total/NA	Water	8021B	
880-11511-F-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-11511-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

Analysis Batch: 20471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Total/NA	Solid	Total BTEX	
880-11731-2	CS-SW-1 @ 6'	Total/NA	Solid	Total BTEX	
880-11731-3	CS-SW-2 @ 6'	Total/NA	Solid	Total BTEX	
880-11731-4	CS-SW-2 @ 10'	Total/NA	Solid	Total BTEX	
880-11731-5	CS-SW-30 @ 8'	Total/NA	Solid	Total BTEX	
880-11731-6	CS-SW-31 @ 8'	Total/NA	Solid	Total BTEX	
880-11731-7	CS-SW-32 @ 8'	Total/NA	Solid	Total BTEX	
880-11731-8	CS-SW-33 @ 8'	Total/NA	Solid	Total BTEX	
880-11731-9	CS-SW-10 @ 6'	Total/NA	Solid	Total BTEX	
880-11731-10	TB-022422	Total/NA	Water	Total BTEX	
880-11731-11	CS-SW-7 @ 6'	Total/NA	Solid	Total BTEX	
880-11731-12	CS-SW-8 @ 6'	Total/NA	Solid	Total BTEX	
880-11731-13	CS-SW-9 @ 6'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-2	CS-SW-1 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-3	CS-SW-2 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-4	CS-SW-2 @ 10'	Total/NA	Solid	8015B NM	20335
880-11731-5	CS-SW-30 @ 8'	Total/NA	Solid	8015B NM	20335
880-11731-6	CS-SW-31 @ 8'	Total/NA	Solid	8015B NM	20335
880-11731-7	CS-SW-32 @ 8'	Total/NA	Solid	8015B NM	20335
880-11731-8	CS-SW-33 @ 8'	Total/NA	Solid	8015B NM	20335
880-11731-9	CS-SW-10 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-11	CS-SW-7 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-12	CS-SW-8 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-13	CS-SW-9 @ 6'	Total/NA	Solid	8015B NM	20335
MB 880-20335/1-A	Method Blank	Total/NA	Solid	8015B NM	20335
LCS 880-20335/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20335
LCSD 880-20335/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20335
880-11731-1 MS	CS-SW-1 @ 6'	Total/NA	Solid	8015B NM	20335
880-11731-1 MSD	CS-SW-1 @ 6'	Total/NA	Solid	8015B NM	20335

Prep Batch: 20335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-2	CS-SW-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-3	CS-SW-2 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-4	CS-SW-2 @ 10'	Total/NA	Solid	8015NM Prep	
880-11731-5	CS-SW-30 @ 8'	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

GC Semi VOA (Continued)

Prep Batch: 20335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-6	CS-SW-31 @ 8'	Total/NA	Solid	8015NM Prep	
880-11731-7	CS-SW-32 @ 8'	Total/NA	Solid	8015NM Prep	
880-11731-8	CS-SW-33 @ 8'	Total/NA	Solid	8015NM Prep	
880-11731-9	CS-SW-10 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-11	CS-SW-7 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-12	CS-SW-8 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-13	CS-SW-9 @ 6'	Total/NA	Solid	8015NM Prep	
MB 880-20335/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20335/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20335/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11731-1 MS	CS-SW-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-11731-1 MSD	CS-SW-1 @ 6'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Total/NA	Solid	8015 NM	
880-11731-2	CS-SW-1 @ 6'	Total/NA	Solid	8015 NM	
880-11731-3	CS-SW-2 @ 6'	Total/NA	Solid	8015 NM	
880-11731-4	CS-SW-2 @ 10'	Total/NA	Solid	8015 NM	
880-11731-5	CS-SW-30 @ 8'	Total/NA	Solid	8015 NM	
880-11731-6	CS-SW-31 @ 8'	Total/NA	Solid	8015 NM	
880-11731-7	CS-SW-32 @ 8'	Total/NA	Solid	8015 NM	
880-11731-8	CS-SW-33 @ 8'	Total/NA	Solid	8015 NM	
880-11731-9	CS-SW-10 @ 6'	Total/NA	Solid	8015 NM	
880-11731-11	CS-SW-7 @ 6'	Total/NA	Solid	8015 NM	
880-11731-12	CS-SW-8 @ 6'	Total/NA	Solid	8015 NM	
880-11731-13	CS-SW-9 @ 6'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Soluble	Solid	DI Leach	
880-11731-2	CS-SW-1 @ 6'	Soluble	Solid	DI Leach	
880-11731-3	CS-SW-2 @ 6'	Soluble	Solid	DI Leach	
880-11731-4	CS-SW-2 @ 10'	Soluble	Solid	DI Leach	
880-11731-5	CS-SW-30 @ 8'	Soluble	Solid	DI Leach	
880-11731-6	CS-SW-31 @ 8'	Soluble	Solid	DI Leach	
880-11731-7	CS-SW-32 @ 8'	Soluble	Solid	DI Leach	
880-11731-8	CS-SW-33 @ 8'	Soluble	Solid	DI Leach	
880-11731-9	CS-SW-10 @ 6'	Soluble	Solid	DI Leach	
880-11731-11	CS-SW-7 @ 6'	Soluble	Solid	DI Leach	
880-11731-12	CS-SW-8 @ 6'	Soluble	Solid	DI Leach	
880-11731-13	CS-SW-9 @ 6'	Soluble	Solid	DI Leach	
MB 880-20319/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20319/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20319/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11731-9 MS	CS-SW-10 @ 6'	Soluble	Solid	DI Leach	
880-11731-9 MSD	CS-SW-10 @ 6'	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

HPLC/IC

Analysis Batch: 20365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-1	CS-SW-1 @ 6'	Soluble	Solid	300.0	20319
880-11731-2	CS-SW-1 @ 6'	Soluble	Solid	300.0	20319
880-11731-3	CS-SW-2 @ 6'	Soluble	Solid	300.0	20319
880-11731-4	CS-SW-2 @ 10'	Soluble	Solid	300.0	20319
880-11731-5	CS-SW-30 @ 8'	Soluble	Solid	300.0	20319
880-11731-6	CS-SW-31 @ 8'	Soluble	Solid	300.0	20319
880-11731-7	CS-SW-32 @ 8'	Soluble	Solid	300.0	20319
880-11731-8	CS-SW-33 @ 8'	Soluble	Solid	300.0	20319
880-11731-9	CS-SW-10 @ 6'	Soluble	Solid	300.0	20319
880-11731-11	CS-SW-7 @ 6'	Soluble	Solid	300.0	20319
880-11731-12	CS-SW-8 @ 6'	Soluble	Solid	300.0	20319
880-11731-13	CS-SW-9 @ 6'	Soluble	Solid	300.0	20319
MB 880-20319/1-A	Method Blank	Soluble	Solid	300.0	20319
LCS 880-20319/2-A	Lab Control Sample	Soluble	Solid	300.0	20319
LCSD 880-20319/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20319
880-11731-9 MS	CS-SW-10 @ 6'	Soluble	Solid	300.0	20319
880-11731-9 MSD	CS-SW-10 @ 6'	Soluble	Solid	300.0	20319

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-1 @ 6'

Lab Sample ID: 880-11731-1

Date Collected: 02/24/22 13:10

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 05:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 00:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 17:48	CH	XEN MID

Client Sample ID: CS-SW-1 @ 6'

Lab Sample ID: 880-11731-2

Date Collected: 02/24/22 13:15

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 05:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 01:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 17:56	CH	XEN MID

Client Sample ID: CS-SW-2 @ 6'

Lab Sample ID: 880-11731-3

Date Collected: 02/24/22 13:20

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 06:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 01:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 18:06	CH	XEN MID

Client Sample ID: CS-SW-2 @ 10'

Lab Sample ID: 880-11731-4

Date Collected: 02/24/22 13:25

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 06:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-2 @ 10'

Lab Sample ID: 880-11731-4

Date Collected: 02/24/22 13:25

Matrix: Solid

Date Received: 02/25/22 12:48

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			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 02:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 18:32	CH	XEN MID

Client Sample ID: CS-SW-30 @ 8'

Lab Sample ID: 880-11731-5

Date Collected: 02/24/22 13:30

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 06:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 02:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 18:41	CH	XEN MID

Client Sample ID: CS-SW-31 @ 8'

Lab Sample ID: 880-11731-6

Date Collected: 02/24/22 13:35

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 07:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 02:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 18:50	CH	XEN MID

Client Sample ID: CS-SW-32 @ 8'

Lab Sample ID: 880-11731-7

Date Collected: 02/24/22 13:40

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 07:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 03:16	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-32 @ 8'

Lab Sample ID: 880-11731-7

Date Collected: 02/24/22 13:40

Matrix: Solid

Date Received: 02/25/22 12:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/26/22 17:47	CH	XEN MID

Client Sample ID: CS-SW-33 @ 8'

Lab Sample ID: 880-11731-8

Date Collected: 02/24/22 13:45

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 08:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 03:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 19:07	CH	XEN MID

Client Sample ID: CS-SW-10 @ 6'

Lab Sample ID: 880-11731-9

Date Collected: 02/24/22 13:50

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 08:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 04:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 19:16	CH	XEN MID

Client Sample ID: TB-022422

Lab Sample ID: 880-11731-10

Date Collected: 02/24/22 00:00

Matrix: Water

Date Received: 02/25/22 12:48

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	20376	02/28/22 01:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Client Sample ID: CS-SW-7 @ 6'

Lab Sample ID: 880-11731-11

Date Collected: 02/24/22 10:30

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 08:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 04:25	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 19:43	CH	XEN MID

Client Sample ID: CS-SW-8 @ 6'

Lab Sample ID: 880-11731-12

Date Collected: 02/24/22 10:35

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 10:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 05:10	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 19:52	CH	XEN MID

Client Sample ID: CS-SW-9 @ 6'

Lab Sample ID: 880-11731-13

Date Collected: 02/24/22 10:40

Matrix: Solid

Date Received: 02/25/22 12:48

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	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20288	02/27/22 10:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20471	02/28/22 10:45	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20505	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 05:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20319	02/25/22 13:32	SC	XEN MID
Soluble	Analysis	300.0		1			20365	02/25/22 20:18	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

1
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14

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11731-1
SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11731-1	CS-SW-1 @ 6'	Solid	02/24/22 13:10	02/25/22 12:48
880-11731-2	CS-SW-1 @ 6'	Solid	02/24/22 13:15	02/25/22 12:48
880-11731-3	CS-SW-2 @ 6'	Solid	02/24/22 13:20	02/25/22 12:48
880-11731-4	CS-SW-2 @ 10'	Solid	02/24/22 13:25	02/25/22 12:48
880-11731-5	CS-SW-30 @ 8'	Solid	02/24/22 13:30	02/25/22 12:48
880-11731-6	CS-SW-31 @ 8'	Solid	02/24/22 13:35	02/25/22 12:48
880-11731-7	CS-SW-32 @ 8'	Solid	02/24/22 13:40	02/25/22 12:48
880-11731-8	CS-SW-33 @ 8'	Solid	02/24/22 13:45	02/25/22 12:48
880-11731-9	CS-SW-10 @ 6'	Solid	02/24/22 13:50	02/25/22 12:48
880-11731-10	TB-022422	Water	02/24/22 00:00	02/25/22 12:48
880-11731-11	CS-SW-7 @ 6'	Solid	02/24/22 10:30	02/25/22 12:48
880-11731-12	CS-SW-8 @ 6'	Solid	02/24/22 10:35	02/25/22 12:48
880-11731-13	CS-SW-9 @ 6'	Solid	02/24/22 10:40	02/25/22 12:48



Environment Testing
Xenoco

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

Chain of Custody

Work Order No: 11731

www.xenoco.com Page 1 of 2

Project Manager:		Tara Stafford		Bill to: (if different)		TCL	
Company Name:		TCL Companies		Company Name:			
Address:		10 Dicks Dr. Ste 130E		Address:			
City, State ZIP:		Midland, TX 79705		City, State ZIP:			
Phone:		432-238-3003		Email:		Tara.Stafford@tcl.com	
Project Name:		COR Battery Axx		Turn Around:		24 hrs	
Project Number:		TCL NM		Routine:		☒ Rush	
Project Location:		Misti Bryant		Due Date:			
Sampler's Name:				TAT starts the day received by the lab, if received by 4:30pm			
PO #:				Wet Ice:		☒ No	
SAMPLE RECEIPT		Temp Blank:		Thermometer ID:		TPE	
Samples Received Intact:		Yes ☒ No ☐		Correction Factor:		-1	
Cooler Custody Seals:		Yes ☒ No ☐		Temperature Reading:		3.3	
Sample Custody Seals:		Yes ☒ No ☐		Corrected Temperature:		3.2	
Total Containers:				Parameters		TPH 8015M BTEX 8021B Chloride	
Sample Identification		Matrix		Date Sampled		Time Sampled	
CS-SW-1 @ 6'		S		2/24/12		1310	
CS-SW-1 @ 10'						1315	
CS-SW-2 @ 6'						1320	
CS-SW-2 @ 10'						1325	
CS-30 @ 8'						1330	
CS-31 @ 8'						1335	
CS-32 @ 8'						1340	
CS-33 @ 8'						1345	
CS-SW-10 @ 6'		W				1350	
TB-022422		W					
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			
Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenoco 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 Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.							
Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)	
Misti Bryant		Tara Stafford		2/24/12		Tara Stafford	
3		4		5		6	



880-11731 Chain of Custody

Preservative Codes

None: NO DI Water: H₂O
Cool: Cool MeOH: Me
HCL: HCl HNO₃: HN
H₂SO₄: H₂ NaOH: Na
H₃PO₄: HP
NaHSO₄: NABIS
Na₂S₂O₃: NaSO₃
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

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Environment Testing
Xenco

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

Chain of Custody

Work Order No: 11731

www.xenco.com Page 1 of 1

Project Manager:	Jared Staffer	Bill to: (if different)	TRC
Company Name:	TRC Companies	Company Name:	
Address:	10 DeSoto Dr. Ste 1306	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Jared, Mishi, Ektavart

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	CO8 Bathr AYC	Turn Around:	Pres. 24 hrs
Project Number:	Jed, NM	☐ Routine	☒ Rush
Project Location:	Mishi Bryant	Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:		Wet Ice:	(Yes) No
SAMPLE RECEIPT	Temp Blank:	Yes	No
Samples Received Inact:	Thermometer ID:	TPB	
Cooler Custody Seals:	Correction Factor:	-1.1	
Sample Custody Seals:	Temperature Reading:	3.3	
Total Containers:	Corrected Temperature:	3.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
CS-SW-1 @ 6'	S	7/24/22	1310	6'	C	1	TPH 8015M BTEX 8021B Chloride	None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na
CS-SW-1 @ 10'			1315	10'	C	1			
CS-SW-2 @ 6'			1320	6'	C	1			
CS-SW-2 @ 10'			1325	10'	C	1			
CS-30 @ 8'			1330	8'	C	1			
CS-31 @ 8'			1335	8'	C	1			
CS-32 @ 8'			1340	8'	C	1			
CS-33 @ 8'			1345	8'	C	1			
CS-SW-10 @ 6'	W		1350	6'	C	1			
TRB-622422	W					2			



880-11731 Chain of Custody

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr 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	

Note: Signature of this document and relinquishment of samples constitute 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
Mishi Bryant	Jared Staffer	7/25/22 12:42	Jared Staffer	Ektavart	



Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1266
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: 11731

www.xenco.com Page 2 of 2

Project Manager:	Jared Smith	Bill to: (if different)	TRC
Company Name:	TRC Companies	Company Name:	
Address:	10 DeSoto Dr	Address:	
City, State ZIP:	Milledgeville, GA 31133	City, State ZIP:	
Phone:	432-236-3003	Email:	Jared_Smith@TRC.com

Work Order Comments			
Program:	UST/PST ☐	PRR ☐	Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NM		
Reporting:	Level II ☐	Level III ☐	PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐	Adapt ☐	Other: ☐

[illegible]

Circle Method(s) and Metal(s) to be analyzed	200.8 / 60.20:	200.7 / 60.10
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	
TC1P / SPLP 6010 : 8RCRA 5b 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 sample constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno 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 Xeno. A minimum charge of \$385.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

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1 <i>Meta Bugas</i>	<i>[Signature]</i>	<i>3/25/22 12:48</i>	<i>[Signature]</i>	<i>[Signature]</i>	
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2000.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11731-1

SDG Number: Jal, NM

Login Number: 11731

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11766-1
Laboratory Sample Delivery Group: Jal NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/1/2022 6:12:32 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 880-11766-1
SDG: Jal NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Job ID: 880-11766-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11766-1****Receipt**

The samples were received on 2/28/2022 12:14 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 1.0°C

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-20575 recovered above the upper control limit for < 1,4-Difluorobenzene (Surr), 4-Bromofluorobenzene (Surr) and Toluene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

GC Semi VOA

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.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-1 @ 6'

Lab Sample ID: 880-11766-1

Date Collected: 02/25/22 12:30

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/28/22 12:30	02/28/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/28/22 12:30	02/28/22 15:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/28/22 12:30	02/28/22 15:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/28/22 16:41	03/01/22 02:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/28/22 16:41	03/01/22 02:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/28/22 16:41	03/01/22 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/28/22 16:41	03/01/22 02:02	1
o-Terphenyl	111		70 - 130	02/28/22 16:41	03/01/22 02:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		4.98	mg/Kg			02/28/22 17:34	1

Client Sample ID: CS-9 @ 6'

Lab Sample ID: 880-11766-2

Date Collected: 02/25/22 12:35

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/28/22 12:30	02/28/22 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/28/22 12:30	02/28/22 15:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/28/22 12:30	02/28/22 15:49	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-9 @ 6'

Lab Sample ID: 880-11766-2

Date Collected: 02/25/22 12:35

Matrix: Solid

Date Received: 02/28/22 12:14

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			02/28/22 16:41	03/01/22 02:23	1
o-Terphenyl	112		70 - 130			02/28/22 16:41	03/01/22 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.98	mg/Kg			02/28/22 17:43	1

Client Sample ID: CS-26 @ 12'

Lab Sample ID: 880-11766-3

Date Collected: 02/25/22 14:00

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			02/28/22 12:30	02/28/22 16:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130			02/28/22 12:30	02/28/22 16:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:43	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-26 @ 12'

Lab Sample ID: 880-11766-3

Date Collected: 02/25/22 14:00

Matrix: Solid

Date Received: 02/28/22 12:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			02/28/22 16:41	03/01/22 02:43	1
o-Terphenyl	118		70 - 130			02/28/22 16:41	03/01/22 02:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1		5.05	mg/Kg			02/28/22 17:51	1

Client Sample ID: CS-27 @ 12'

Lab Sample ID: 880-11766-4

Date Collected: 02/25/22 14:05

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			02/28/22 12:30	02/28/22 16:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130			02/28/22 12:30	02/28/22 16:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			02/28/22 16:41	03/01/22 03:03	1
o-Terphenyl	123		70 - 130			02/28/22 16:41	03/01/22 03:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.00	mg/Kg			02/28/22 18:00	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: TB 022522

Lab Sample ID: 880-11766-5

Date Collected: 02/25/22 00:00

Matrix: Water

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
Toluene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			03/01/22 16:43	1
o-Xylene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			03/01/22 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130		03/01/22 16:43	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130		03/01/22 16:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/L			02/28/22 19:17	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal 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)
880-11766-1	CS-1 @ 6'	102	98
880-11766-2	CS-9 @ 6'	104	98
880-11766-3	CS-26 @ 12'	99	96
880-11766-4	CS-27 @ 12'	104	98
890-2012-A-1-A MS	Matrix Spike	104	101
890-2012-A-1-B MSD	Matrix Spike Duplicate	103	100
LCS 880-20209/1-A	Lab Control Sample	104	91
LCSD 880-20209/2-A	Lab Control Sample Dup	102	100
MB 880-20209/5-A	Method Blank	104	96
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)
880-11534-C-1 MS	Matrix Spike	106	112
880-11534-C-1 MSD	Matrix Spike Duplicate	73	99
880-11766-5	TB 022522	154 S1+	62 S1-
LCS 880-20575/3	Lab Control Sample	97	81
LCSD 880-20575/4	Lab Control Sample Dup	102	109
MB 880-20575/8	Method Blank	82	81
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)
880-11766-1	CS-1 @ 6'	108	111
880-11766-2	CS-9 @ 6'	109	112
880-11766-3	CS-26 @ 12'	115	118
880-11766-4	CS-27 @ 12'	118	123
880-11774-A-1-E MS	Matrix Spike	106	105
880-11774-A-1-F MSD	Matrix Spike Duplicate	101	91
LCS 880-20541/2-A	Lab Control Sample	115	118
LCSD 880-20541/3-A	Lab Control Sample Dup	127	121
MB 880-20541/1-A	Method Blank	127	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20209/5-A

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20209

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/28/22 07:30	02/28/22 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/28/22 07:30	02/28/22 10:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/28/22 07:30	02/28/22 10:40	1

Lab Sample ID: LCS 880-20209/1-A

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1070		mg/Kg		107	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1075		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-20209/2-A

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	4	35
Ethylbenzene	0.100	0.1035		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2164		mg/Kg		108	70 - 130	3	35
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2012-A-1-A MS

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.1055		mg/Kg		104	70 - 130
Toluene	<0.00199	U	0.101	0.1036		mg/Kg		102	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: 890-2012-A-1-A MS

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.101	0.1034		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2161		mg/Kg		106	70 - 130
o-Xylene	<0.00199	U	0.101	0.1046		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-2012-A-1-B MSD

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1087		mg/Kg		108	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.1069		mg/Kg		106	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2227		mg/Kg		111	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.1082		mg/Kg		108	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-20575/8

Matrix: Water

Analysis Batch: 20575

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			03/01/22 04:23	1
Toluene	<0.00200	U	0.00200	mg/L			03/01/22 04:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			03/01/22 04:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			03/01/22 04:23	1
o-Xylene	<0.00200	U	0.00200	mg/L			03/01/22 04:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			03/01/22 04:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130		03/01/22 04:23	1
1,4-Difluorobenzene (Surr)	81		70 - 130		03/01/22 04:23	1

Lab Sample ID: LCS 880-20575/3

Matrix: Water

Analysis Batch: 20575

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	0.08604		mg/L		86	70 - 130
Toluene	0.100	0.08462		mg/L		85	70 - 130
Ethylbenzene	0.100	0.07976		mg/L		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1757		mg/L		88	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: LCS 880-20575/3

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.09567		mg/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	81		70 - 130

Lab Sample ID: LCSD 880-20575/4

Matrix: Water

Analysis Batch: 20575

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	0.08642		mg/L		86	70 - 130	0	20
Toluene	0.100	0.08254		mg/L		83	70 - 130	2	20
Ethylbenzene	0.100	0.08481		mg/L		85	70 - 130	6	20
m-Xylene & p-Xylene	0.200	0.1762		mg/L		88	70 - 130	0	20
o-Xylene	0.100	0.09197		mg/L		92	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-11534-C-1 MS

Matrix: Water

Analysis Batch: 20575

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 F1	0.100	0.08755		mg/L		88	70 - 130
Toluene	<0.00200	U F1	0.100	0.08251		mg/L		83	70 - 130
Ethylbenzene	<0.00200	U F1	0.100	0.08686		mg/L		87	70 - 130
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.1822		mg/L		91	70 - 130
o-Xylene	<0.00200	U F1	0.100	0.09788		mg/L		98	70 - 130

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

Lab Sample ID: 880-11534-C-1 MSD

Matrix: Water

Analysis Batch: 20575

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 F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
Ethylbenzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	<0.00400	U F2 F1	mg/L		0.6	70 - 130	198	25
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: 880-11534-C-1 MSD

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-20541/1-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20541

	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		02/28/22 16:41	02/28/22 23:19	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	02/28/22 23:19	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	02/28/22 23:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane	127		70 - 130			02/28/22 16:41	02/28/22 23:19	1	
o-Terphenyl	125		70 - 130			02/28/22 16:41	02/28/22 23:19	1	

Lab Sample ID: LCS 880-20541/2-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20541

	Spike	LCS	LCS					%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1115		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	958.8		mg/Kg		96	70 - 130		
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: LCSD 880-20541/3-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20541

	Spike	LCSD	LCSD					%Rec.	RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	1000	1159		mg/Kg		116	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	997.6		mg/Kg		100	70 - 130	4	20	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	127		70 - 130							
o-Terphenyl	121		70 - 130							

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: 880-11774-A-1-E MS

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20541

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1167		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	965.6		mg/Kg		97	70 - 130		
		</									

Lab Sample ID: 880-11774-A-1-F MSD

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20541

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	998	1094		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	937.8		mg/Kg		94	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	91		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20414/1-A

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/28/22 15:30	1

Lab Sample ID: LCS 880-20414/2-A

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-20414/3-A

Matrix: Solid

Analysis Batch: 20532

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	244.0		mg/Kg		98	90 - 110	1	20

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-11766-4 MS

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: CS-27 @ 12'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	152		250	398.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-11766-4 MSD

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: CS-27 @ 12'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	152		250	397.9		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

GC VOA

Prep Batch: 20209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	5035	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	5035	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	5035	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	5035	
MB 880-20209/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20209/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20209/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2012-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2012-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8021B	20209
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8021B	20209
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8021B	20209
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8021B	20209
MB 880-20209/5-A	Method Blank	Total/NA	Solid	8021B	20209
LCS 880-20209/1-A	Lab Control Sample	Total/NA	Solid	8021B	20209
LCSD 880-20209/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20209
890-2012-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	20209
890-2012-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20209

Analysis Batch: 20556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-5	TB 022522	Total/NA	Water	Total BTEX	

Analysis Batch: 20561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	Total BTEX	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	Total BTEX	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	Total BTEX	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	Total BTEX	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-5	TB 022522	Total/NA	Water	8021B	
MB 880-20575/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20575/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20575/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-11534-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-11534-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

GC Semi VOA

Analysis Batch: 20405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8015B NM	20541
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8015B NM	20541
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8015B NM	20541
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8015B NM	20541
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015B NM	20541

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

GC Semi VOA (Continued)

Analysis Batch: 20405 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20541
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20541
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	20541
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20541

Prep Batch: 20541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8015NM Prep	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8015NM Prep	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8015NM Prep	
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8015 NM	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8015 NM	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8015 NM	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Soluble	Solid	DI Leach	
880-11766-2	CS-9 @ 6'	Soluble	Solid	DI Leach	
880-11766-3	CS-26 @ 12'	Soluble	Solid	DI Leach	
880-11766-4	CS-27 @ 12'	Soluble	Solid	DI Leach	
MB 880-20414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11766-4 MS	CS-27 @ 12'	Soluble	Solid	DI Leach	
880-11766-4 MSD	CS-27 @ 12'	Soluble	Solid	DI Leach	

Analysis Batch: 20532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Soluble	Solid	300.0	20414
880-11766-2	CS-9 @ 6'	Soluble	Solid	300.0	20414
880-11766-3	CS-26 @ 12'	Soluble	Solid	300.0	20414
880-11766-4	CS-27 @ 12'	Soluble	Solid	300.0	20414
MB 880-20414/1-A	Method Blank	Soluble	Solid	300.0	20414
LCS 880-20414/2-A	Lab Control Sample	Soluble	Solid	300.0	20414
LCSD 880-20414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20414
880-11766-4 MS	CS-27 @ 12'	Soluble	Solid	300.0	20414
880-11766-4 MSD	CS-27 @ 12'	Soluble	Solid	300.0	20414

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-1 @ 6'

Lab Sample ID: 880-11766-1

Date Collected: 02/25/22 12:30

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 15:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 02:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 17:34	SC	XEN MID

Client Sample ID: CS-9 @ 6'

Lab Sample ID: 880-11766-2

Date Collected: 02/25/22 12:35

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 15:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 02:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 17:43	SC	XEN MID

Client Sample ID: CS-26 @ 12'

Lab Sample ID: 880-11766-3

Date Collected: 02/25/22 14:00

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 16:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 02:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 17:51	SC	XEN MID

Client Sample ID: CS-27 @ 12'

Lab Sample ID: 880-11766-4

Date Collected: 02/25/22 14:05

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 16:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-27 @ 12'

Lab Sample ID: 880-11766-4

Date Collected: 02/25/22 14:05

Matrix: Solid

Date Received: 02/28/22 12:14

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			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 03:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 18:00	SC	XEN MID

Client Sample ID: TB 022522

Lab Sample ID: 880-11766-5

Date Collected: 02/25/22 00:00

Matrix: Water

Date Received: 02/28/22 12:14

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	20575	03/01/22 16:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 19:17	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX
Total BTEX		Water	Total BTEX

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11766-1	CS-1 @ 6'	Solid	02/25/22 12:30	02/28/22 12:14
880-11766-2	CS-9 @ 6'	Solid	02/25/22 12:35	02/28/22 12:14
880-11766-3	CS-26 @ 12'	Solid	02/25/22 14:00	02/28/22 12:14
880-11766-4	CS-27 @ 12'	Solid	02/25/22 14:05	02/28/22 12:14
880-11766-5	TB 022522	Water	02/25/22 00:00	02/28/22 12:14

1

2

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Environment Testing
Xenco

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

Work Order No:

11760

www.xenco.com Page 1 of 1

Project Manager:	Jared Steffel	Bill to: (if different)	TRC
Company Name:	TRC Companies	Company Name:	
Address:	10 DCSA Dr	Address:	
City/State ZIP:	Midland TX 79705	City/State ZIP:	
Phone:	432-238-3003	Email:	Jared.Mish, Ike.Tavarez

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NM
Reporting Level:	Level I ☐ Level II ☐ Level III ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other ☐

Project Name:	COP Battle Ave	Turn Around:	24 hr
Project Number:	DA1, NM	Due Date:	
Project Location:	Mish Bayant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			
SAMPLE RECEIPT	Temp Blank: Yes ☒ No ☐	Wet Ice: Yes ☒ No ☐	Parameters
Samples Received Inact:	Yes ☒ No ☐	Thermometer ID:	169
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	
Total Containers:	Yes ☒ No ☐	Corrected Temperature:	16

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH	BTEX	Chloride
CS-1 @ 6'	S	2/25/22	1230	6'	C	1	X	X	X
CS-4 @ 6'			1235	6'			X	X	X
CS-2 @ 12'			1400	12'			X	X	X
CS-2 @ 12'			1405	12'			X	X	X
TR @ 2522	W						X	X	X



880-11766 Chain of Custody

Sample Comments

Preservative Codes

None NO DI Water H₂O
Cool Cool MeOH Me
HCL HC HNO₃ HN
H₂SO₄ H₂ NaOH Na
H₃PO₄ HP
NaHSO₄ NABIS
Na₂S₂O₃ NaSO₃
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Total 2007 / 6010 2008 / 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 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
Mati Bayant	Jared Steffel	2/25/22			
		2/24			

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11766-1

SDG Number: Jal NM

Login Number: 11766

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").	True	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11766-1
Laboratory Sample Delivery Group: Jal NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

Authorized for release by:
3/1/2022 6:58:55 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 880-11766-1
SDG: Jal NM

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Preliminary Data

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Job ID: 880-11766-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11766-1

Receipt

The samples were received on 2/28/2022 12:14 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 1.0°C

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-20575 recovered above the upper control limit for < 1,4-Difluorobenzene (Surr), 4-Bromofluorobenzene (Surr) and Toluene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

GC Semi VOA

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.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-1 @ 6'

Lab Sample ID: 880-11766-1

Date Collected: 02/25/22 12:30

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 15:28	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		02/28/22 12:30	02/28/22 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/28/22 12:30	02/28/22 15:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/28/22 12:30	02/28/22 15:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		02/28/22 16:41	03/01/22 02:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/28/22 16:41	03/01/22 02:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/28/22 16:41	03/01/22 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	02/28/22 16:41	03/01/22 02:02	1
o-Terphenyl	111		70 - 130	02/28/22 16:41	03/01/22 02:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.5		4.98	mg/Kg			02/28/22 17:34	1

Client Sample ID: CS-9 @ 6'

Lab Sample ID: 880-11766-2

Date Collected: 02/25/22 12:35

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
Toluene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		02/28/22 12:30	02/28/22 15:49	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		02/28/22 12:30	02/28/22 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/28/22 12:30	02/28/22 15:49	1
1,4-Difluorobenzene (Surr)	98		70 - 130	02/28/22 12:30	02/28/22 15:49	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-9 @ 6'

Lab Sample ID: 880-11766-2

Date Collected: 02/25/22 12:35

Matrix: Solid

Date Received: 02/28/22 12:14

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130			02/28/22 16:41	03/01/22 02:23	1
o-Terphenyl	112		70 - 130			02/28/22 16:41	03/01/22 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.98	mg/Kg			02/28/22 17:43	1

Client Sample ID: CS-26 @ 12'

Lab Sample ID: 880-11766-3

Date Collected: 02/25/22 14:00

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/28/22 12:30	02/28/22 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130			02/28/22 12:30	02/28/22 16:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130			02/28/22 12:30	02/28/22 16:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:43	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-26 @ 12'

Lab Sample ID: 880-11766-3

Date Collected: 02/25/22 14:00

Matrix: Solid

Date Received: 02/28/22 12:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130			02/28/22 16:41	03/01/22 02:43	1
o-Terphenyl	118		70 - 130			02/28/22 16:41	03/01/22 02:43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1		5.05	mg/Kg			02/28/22 17:51	1

Client Sample ID: CS-27 @ 12'

Lab Sample ID: 880-11766-4

Date Collected: 02/25/22 14:05

Matrix: Solid

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/28/22 12:30	02/28/22 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			02/28/22 12:30	02/28/22 16:30	1
1,4-Difluorobenzene (Surr)	98		70 - 130			02/28/22 12:30	02/28/22 16:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 03:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 03:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	03/01/22 03:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			02/28/22 16:41	03/01/22 03:03	1
o-Terphenyl	123		70 - 130			02/28/22 16:41	03/01/22 03:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		5.00	mg/Kg			02/28/22 18:00	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: TB 022522

Lab Sample ID: 880-11766-5

Date Collected: 02/25/22 00:00

Matrix: Water

Date Received: 02/28/22 12:14

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
Toluene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			03/01/22 16:43	1
o-Xylene	<0.00200	U	0.00200	mg/L			03/01/22 16:43	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			03/01/22 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130		03/01/22 16:43	1
1,4-Difluorobenzene (Surr)	62	S1-	70 - 130		03/01/22 16:43	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal 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)
880-11766-1	CS-1 @ 6'	102	98
880-11766-2	CS-9 @ 6'	104	98
880-11766-3	CS-26 @ 12'	99	96
880-11766-4	CS-27 @ 12'	104	98
890-2012-A-1-A MS	Matrix Spike	104	101
890-2012-A-1-B MSD	Matrix Spike Duplicate	103	100
LCS 880-20209/1-A	Lab Control Sample	104	91
LCSD 880-20209/2-A	Lab Control Sample Dup	102	100
MB 880-20209/5-A	Method Blank	104	96
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)
880-11534-C-1 MS	Matrix Spike	106	112
880-11534-C-1 MSD	Matrix Spike Duplicate	73	99
880-11766-5	TB 022522	154 S1+	62 S1-
LCS 880-20575/3	Lab Control Sample	97	81
LCSD 880-20575/4	Lab Control Sample Dup	102	109
MB 880-20575/8	Method Blank	82	81
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)
880-11766-1	CS-1 @ 6'	108	111
880-11766-2	CS-9 @ 6'	109	112
880-11766-3	CS-26 @ 12'	115	118
880-11766-4	CS-27 @ 12'	118	123
880-11774-A-1-E MS	Matrix Spike	106	105
880-11774-A-1-F MSD	Matrix Spike Duplicate	101	91
LCS 880-20541/2-A	Lab Control Sample	115	118
LCSD 880-20541/3-A	Lab Control Sample Dup	127	121
MB 880-20541/1-A	Method Blank	127	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20209/5-A

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20209

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/28/22 07:30	02/28/22 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	02/28/22 07:30	02/28/22 10:40	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/28/22 07:30	02/28/22 10:40	1

Lab Sample ID: LCS 880-20209/1-A

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1070		mg/Kg		107	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1075		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene	0.100	0.1086		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-20209/2-A

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.1040		mg/Kg		104	70 - 130	4	35
Ethylbenzene	0.100	0.1035		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2164		mg/Kg		108	70 - 130	3	35
o-Xylene	0.100	0.1050		mg/Kg		105	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-2012-A-1-A MS

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.101	0.1055		mg/Kg		104	70 - 130
Toluene	<0.00199	U	0.101	0.1036		mg/Kg		102	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: 890-2012-A-1-A MS

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.101	0.1034		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2161		mg/Kg		106	70 - 130
o-Xylene	<0.00199	U	0.101	0.1046		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-2012-A-1-B MSD

Matrix: Solid

Analysis Batch: 20398

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00199	U	0.100	0.1087		mg/Kg		108	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.1069		mg/Kg		106	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2227		mg/Kg		111	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.1082		mg/Kg		108	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-20575/8

Matrix: Water

Analysis Batch: 20575

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			03/01/22 04:23	1
Toluene	<0.00200	U	0.00200	mg/L			03/01/22 04:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/L			03/01/22 04:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/L			03/01/22 04:23	1
o-Xylene	<0.00200	U	0.00200	mg/L			03/01/22 04:23	1
Xylenes, Total	<0.00400	U	0.00400	mg/L			03/01/22 04:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130		03/01/22 04:23	1
1,4-Difluorobenzene (Surr)	81		70 - 130		03/01/22 04:23	1

Lab Sample ID: LCS 880-20575/3

Matrix: Water

Analysis Batch: 20575

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	0.08604		mg/L		86	70 - 130
Toluene	0.100	0.08462		mg/L		85	70 - 130
Ethylbenzene	0.100	0.07976		mg/L		80	70 - 130
m-Xylene & p-Xylene	0.200	0.1757		mg/L		88	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: LCS 880-20575/3

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	0.100	0.09567		mg/L		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	97		70 - 130				
1,4-Difluorobenzene (Surr)	81		70 - 130				

Lab Sample ID: LCSD 880-20575/4

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Data: 2007										
Analyte	Spike		LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Added	Result	Qualifier	Limits				Limit		
Benzene	0.100	0.08642			mg/L		86	70 - 130	0	20
Toluene	0.100	0.08254			mg/L		83	70 - 130	2	20
Ethylbenzene	0.100	0.08481			mg/L		85	70 - 130	6	20
m-Xylene & p-Xylene	0.200	0.1762			mg/L		88	70 - 130	0	20
o-Xylene	0.100	0.09197			mg/L		92	70 - 130	4	20
Surrogate	LCSD	LCSD	Limits							
	%Recovery	Qualifier								
4-Bromofluorobenzene (Surr)	102		70 - 130							
1,4-Difluorobenzene (Surr)	109		70 - 130							

Lab Sample ID: 880-11534-C-1 MS

Matrix: Water

Analysis Batch: 20575

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 F1	0.100	0.08755		mg/L		88	70 - 130		
Toluene	<0.00200	U F1	0.100	0.08251		mg/L		83	70 - 130		
Ethylbenzene	<0.00200	U F1	0.100	0.08686		mg/L		87	70 - 130		
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	0.1822		mg/L		91	70 - 130		
o-Xylene	<0.00200	U F1	0.100	0.09788		mg/L		98	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	112		70 - 130								

Lab Sample ID: 880-11534-C-1 MSD

Matrix: Water

Analysis Batch: 20575

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 F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
Toluene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
Ethylbenzene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25
m-Xylene & p-Xylene	<0.00400	U F2 F1	0.200	<0.00400	U F2 F1	mg/L		0.6	70 - 130	198	25
o-Xylene	<0.00200	U F1	0.100	<0.00200	U F1	mg/L		0	70 - 130	NC	25

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: 880-11534-C-1 MSD

Matrix: Water

Analysis Batch: 20575

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	73		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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

Lab Sample ID: MB 880-20541/1-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20541

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		02/28/22 16:41	02/28/22 23:19	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	02/28/22 23:19	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/28/22 16:41	02/28/22 23:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil	Fac
1-Chlorooctane	127		70 - 130			02/28/22 16:41	02/28/22 23:19	1	
o-Terphenyl	125		70 - 130			02/28/22 16:41	02/28/22 23:19	1	

Lab Sample ID: LCS 880-20541/2-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20541

Analyte	Spike	LCS	LCS						
	Added	Result	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	958.8		mg/Kg		96		70 - 130	
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	118		70 - 130						

Lab Sample ID: LCSD 880-20541/3-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20541

Analyte	Spike	LCSD	LCSD						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1159		mg/Kg		116		4	20
Diesel Range Organics (Over C10-C28)	1000	997.6		mg/Kg		100		4	20
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	127		70 - 130						
o-Terphenyl	121		70 - 130						

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

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

Lab Sample ID: 880-11774-A-1-E MS

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1167		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	965.6		mg/Kg		97	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	106		70 - 130						
o-Terphenyl	105		70 - 130						

Lab Sample ID: 880-11774-A-1-F MSD

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20541

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	998	1094		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	937.8		mg/Kg		94	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	101		70 - 130								
o-Terphenyl	91		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20414/1-A

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			02/28/22 15:30	1

Lab Sample ID: LCS 880-20414/2-A

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.0		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-20414/3-A

Matrix: Solid

Analysis Batch: 20532

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	244.0		mg/Kg		98	90 - 110	1	20

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-11766-4 MS

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: CS-27 @ 12'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	152		250	398.0		mg/Kg		98	90 - 110

Lab Sample ID: 880-11766-4 MSD

Matrix: Solid

Analysis Batch: 20532

Client Sample ID: CS-27 @ 12'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	152		250	397.9		mg/Kg		98	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

GC VOA

Prep Batch: 20209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	5035	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	5035	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	5035	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	5035	
MB 880-20209/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20209/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20209/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2012-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2012-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8021B	20209
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8021B	20209
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8021B	20209
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8021B	20209
MB 880-20209/5-A	Method Blank	Total/NA	Solid	8021B	20209
LCS 880-20209/1-A	Lab Control Sample	Total/NA	Solid	8021B	20209
LCSD 880-20209/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20209
890-2012-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	20209
890-2012-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20209

Analysis Batch: 20561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	Total BTEX	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	Total BTEX	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	Total BTEX	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	Total BTEX	

Analysis Batch: 20575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-5	TB 022522	Total/NA	Water	8021B	
MB 880-20575/8	Method Blank	Total/NA	Water	8021B	
LCS 880-20575/3	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-20575/4	Lab Control Sample Dup	Total/NA	Water	8021B	
880-11534-C-1 MS	Matrix Spike	Total/NA	Water	8021B	
880-11534-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

GC Semi VOA

Analysis Batch: 20405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8015B NM	20541
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8015B NM	20541
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8015B NM	20541
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8015B NM	20541
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015B NM	20541
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20541
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20541
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	20541
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20541

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

GC Semi VOA

Prep Batch: 20541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8015NM Prep	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8015NM Prep	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8015NM Prep	
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Total/NA	Solid	8015 NM	
880-11766-2	CS-9 @ 6'	Total/NA	Solid	8015 NM	
880-11766-3	CS-26 @ 12'	Total/NA	Solid	8015 NM	
880-11766-4	CS-27 @ 12'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Soluble	Solid	DI Leach	
880-11766-2	CS-9 @ 6'	Soluble	Solid	DI Leach	
880-11766-3	CS-26 @ 12'	Soluble	Solid	DI Leach	
880-11766-4	CS-27 @ 12'	Soluble	Solid	DI Leach	
MB 880-20414/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20414/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20414/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11766-4 MS	CS-27 @ 12'	Soluble	Solid	DI Leach	
880-11766-4 MSD	CS-27 @ 12'	Soluble	Solid	DI Leach	

Analysis Batch: 20532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11766-1	CS-1 @ 6'	Soluble	Solid	300.0	20414
880-11766-2	CS-9 @ 6'	Soluble	Solid	300.0	20414
880-11766-3	CS-26 @ 12'	Soluble	Solid	300.0	20414
880-11766-4	CS-27 @ 12'	Soluble	Solid	300.0	20414
MB 880-20414/1-A	Method Blank	Soluble	Solid	300.0	20414
LCS 880-20414/2-A	Lab Control Sample	Soluble	Solid	300.0	20414
LCSD 880-20414/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20414
880-11766-4 MS	CS-27 @ 12'	Soluble	Solid	300.0	20414
880-11766-4 MSD	CS-27 @ 12'	Soluble	Solid	300.0	20414

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-1 @ 6'

Lab Sample ID: 880-11766-1

Date Collected: 02/25/22 12:30

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 15:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 02:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 17:34	SC	XEN MID

Client Sample ID: CS-9 @ 6'

Lab Sample ID: 880-11766-2

Date Collected: 02/25/22 12:35

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 15:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 02:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 17:43	SC	XEN MID

Client Sample ID: CS-26 @ 12'

Lab Sample ID: 880-11766-3

Date Collected: 02/25/22 14:00

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 16:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 02:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 17:51	SC	XEN MID

Client Sample ID: CS-27 @ 12'

Lab Sample ID: 880-11766-4

Date Collected: 02/25/22 14:05

Matrix: Solid

Date Received: 02/28/22 12:14

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	20209	02/28/22 12:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 16:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20561	02/28/22 18:56	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Client Sample ID: CS-27 @ 12'

Lab Sample ID: 880-11766-4

Date Collected: 02/25/22 14:05

Matrix: Solid

Date Received: 02/28/22 12:14

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			20593	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 03:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20414	02/28/22 12:45	CH	XEN MID
Soluble	Analysis	300.0		1			20532	02/28/22 18:00	SC	XEN MID

Client Sample ID: TB 022522

Lab Sample ID: 880-11766-5

Date Collected: 02/25/22 00:00

Matrix: Water

Date Received: 02/28/22 12:14

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	20575	03/01/22 16:43	MR	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Preliminary Data

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-11766-1
SDG: Jal NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11766-1	CS-1 @ 6'	Solid	02/25/22 12:30	02/28/22 12:14
880-11766-2	CS-9 @ 6'	Solid	02/25/22 12:35	02/28/22 12:14
880-11766-3	CS-26 @ 12'	Solid	02/25/22 14:00	02/28/22 12:14
880-11766-4	CS-27 @ 12'	Solid	02/25/22 14:05	02/28/22 12:14
880-11766-5	TB 022522	Water	02/25/22 00:00	02/28/22 12:14

Preliminary Data



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:

11760

www.xenco.com Page 1 of 1

Project Manager:	Jared Steffel	Bill to: (if different)	TRC
Company Name:	TRC Companies	Company Name:	
Address:	10 DCSA Dr	Address:	
City/State ZIP:	Midland, TX 79705	City/State ZIP:	
Phone:	432-238-3003	Email:	Jared, Mish, Ike Tavarre

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NM
Reporting Level:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables	EDD ☐ ADAPT ☐ Other ☐

Project Name:	COP BATHIE ARE	Turn Around:	24 hr	Pres. Code:	
Project Number:	DAI, NM	☐ Routine	☒ Flush		
Project Location:	Mish Brgent	Due Date:			
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm			
PO #					

SAMPLE RECEIPT		Parameters	
Samples Received Inact:	Temp Blank: Yes ☒ No ☐	Wet Ice: Yes ☒ No ☐	
Cooler Custody Seals:	Yes ☒ No ☐ N/A	Thermometer ID:	169
Sample Custody Seals:	Yes ☒ No ☐ N/A	Correction Factor:	
Total Containers:	Yes ☒ No ☐ N/A	Temperature Reading:	
	Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
CS-1 @ 6'	S	2/25/22	1230	6'	C	1	X TPH 8015M	None NO	DI Water, H ₂ O
CS-4 @ 6'			1235	6'	C	1	X BTEX 8021B	Cool Cool	MeOH Me
CS-2 @ 6' 12'			1400	12'	C	1	X Chloride	HCL HC	HNO ₃ HN
CS-2 @ 7' 12'			1405	12'	C	1		H ₂ SO ₄ H ₂	NaOH Na
TR 022522	W							H ₃ PO ₄ HP	
								NaHSO ₄ NABIS	
								Na ₂ S ₂ O ₃ NaSO ₃	
								Zn Acetate+NaOH Zn	
								NaOH+Ascorbic Acid SAPC	



880-11766 Chain of Custody

Total 2007 / 6010	2008 / 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

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
Mati Brgent	Jared Steffel	2/25/22			
		2/24			

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11766-1

SDG Number: Jal NM

Login Number: 11766

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").	True	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11807-1
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/1/2022 2:32:39 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11807-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

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
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.
α	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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Job ID: 880-11807-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11807-1****Receipt**

The samples were received on 3/1/2022 9:49 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 5.8°C

GC VOA

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

GC Semi VOA

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.

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-29 @ 9'

Lab Sample ID: 880-11807-1

Date Collected: 02/28/22 10:55

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 9'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199	mg/Kg		03/01/22 10:15	03/01/22 11:58	1
Toluene	<0.00199	U F1	0.00199	mg/Kg		03/01/22 10:15	03/01/22 11:58	1
Ethylbenzene	<0.00199	U F1	0.00199	mg/Kg		03/01/22 10:15	03/01/22 11:58	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398	mg/Kg		03/01/22 10:15	03/01/22 11:58	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 11:58	1
Xylenes, Total	<0.00398	U F1 F2	0.00398	mg/Kg		03/01/22 10:15	03/01/22 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/01/22 10:15	03/01/22 11:58	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/01/22 10:15	03/01/22 11:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/01/22 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/01/22 10:23	03/01/22 12:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/22 10:23	03/01/22 12:44	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 10:23	03/01/22 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/01/22 10:23	03/01/22 12:44	1
o-Terphenyl	110		70 - 130	03/01/22 10:23	03/01/22 12:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	304		5.00	mg/Kg			03/01/22 11:23	1

Client Sample ID: CS-28 @ 9.5'

Lab Sample ID: 880-11807-2

Date Collected: 02/28/22 11:10

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 9.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 12:19	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 12:19	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 12:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/01/22 10:15	03/01/22 12:19	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 12:19	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/22 10:15	03/01/22 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	03/01/22 10:15	03/01/22 12:19	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-28 @ 9.5'

Lab Sample ID: 880-11807-2

Date Collected: 02/28/22 11:10

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 9.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	03/01/22 10:15	03/01/22 12:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/01/22 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/01/22 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/01/22 10:20	03/01/22 13:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/01/22 10:20	03/01/22 13:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/01/22 10:20	03/01/22 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/01/22 10:20	03/01/22 13:05	1
o-Terphenyl	96		70 - 130			03/01/22 10:20	03/01/22 13:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289		5.00	mg/Kg			03/01/22 11:50	1

Client Sample ID: CS-15 @ 14.5'

Lab Sample ID: 880-11807-3

Date Collected: 02/28/22 14:40

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 14.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 12:39	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 12:39	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 12:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/01/22 10:15	03/01/22 12:39	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 12:39	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/01/22 10:15	03/01/22 12:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/01/22 10:15	03/01/22 12:39	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/01/22 10:15	03/01/22 12:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/01/22 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/01/22 15:22	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-15 @ 14.5'

Lab Sample ID: 880-11807-3

Date Collected: 02/28/22 14:40

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 14.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/01/22 10:20	03/01/22 13:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/01/22 10:20	03/01/22 13:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/01/22 10:20	03/01/22 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			03/01/22 10:20	03/01/22 13:25	1
o-Terphenyl	122		70 - 130			03/01/22 10:20	03/01/22 13:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	527		4.99	mg/Kg			03/01/22 11:59	1

Client Sample ID: CS-16 @ 14.5'

Lab Sample ID: 880-11807-4

Date Collected: 02/28/22 14:55

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 14.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 13:00	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 13:00	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 13:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/01/22 10:15	03/01/22 13:00	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/01/22 10:15	03/01/22 13:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/01/22 10:15	03/01/22 13:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/01/22 10:15	03/01/22 13:00	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/01/22 10:15	03/01/22 13:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/01/22 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 13:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 13:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 13:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/01/22 10:20	03/01/22 13:45	1
o-Terphenyl	113		70 - 130			03/01/22 10:20	03/01/22 13:45	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-16 @ 14.5'

Lab Sample ID: 880-11807-4

Date Collected: 02/28/22 14:55

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 14.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	524		4.97	mg/Kg			03/01/22 12:07	1

Client Sample ID: CS-20 @ 16'

Lab Sample ID: 880-11807-5

Date Collected: 02/28/22 15:40

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 13:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 13:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 13:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/22 10:15	03/01/22 13:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 13:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/22 10:15	03/01/22 13:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			03/01/22 10:15	03/01/22 13:20	1
1,4-Difluorobenzene (Surr)	92		70 - 130			03/01/22 10:15	03/01/22 13:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/01/22 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 14:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 14:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 14:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			03/01/22 10:20	03/01/22 14:06	1
o-Terphenyl	107		70 - 130			03/01/22 10:20	03/01/22 14:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.7		5.04	mg/Kg			03/01/22 12:34	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-22 @ 16'

Lab Sample ID: 880-11807-6

Date Collected: 02/28/22 15:35

Matrix: Solid

Date Received: 03/01/22 09:49

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 13:41	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 13:41	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 13:41	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		03/01/22 10:15	03/01/22 13:41	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/01/22 10:15	03/01/22 13:41	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		03/01/22 10:15	03/01/22 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	03/01/22 10:15	03/01/22 13:41	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/01/22 10:15	03/01/22 13:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	mg/Kg			03/01/22 14:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/01/22 15:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 14:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 10:20	03/01/22 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	03/01/22 10:20	03/01/22 14:26	1
o-Terphenyl	127		70 - 130	03/01/22 10:20	03/01/22 14:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		5.00	mg/Kg			03/01/22 12:43	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

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)
880-11807-1	CS-29 @ 9'	104	104
880-11807-1 MS	CS-29 @ 9'	131 S1+	92
880-11807-1 MSD	CS-29 @ 9'	98	96
880-11807-2	CS-28 @ 9.5'	107	104
880-11807-3	CS-15 @ 14.5'	105	93
880-11807-4	CS-16 @ 14.5'	103	101
880-11807-5	CS-20 @ 16'	130	92
880-11807-6	CS-22 @ 16'	108	87
LCS 880-20522/1-A	Lab Control Sample	97	98
LCSD 880-20522/2-A	Lab Control Sample Dup	100	101
MB 880-20522/5-A	Method Blank	100	95
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)
880-11807-1	CS-29 @ 9'	109	110
880-11807-2	CS-28 @ 9.5'	105	96
880-11807-3	CS-15 @ 14.5'	118	122
880-11807-4	CS-16 @ 14.5'	107	113
880-11807-5	CS-20 @ 16'	102	107
880-11807-6	CS-22 @ 16'	123	127
890-2019-A-1-D MS	Matrix Spike	109	89
890-2019-A-1-E MSD	Matrix Spike Duplicate	116	100
LCS 880-20589/2-A	Lab Control Sample	111	101
LCSD 880-20589/3-A	Lab Control Sample Dup	114	105
MB 880-20589/1-A	Method Blank	112	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20522/5-A

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20522

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 11:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 11:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 11:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/01/22 10:15	03/01/22 11:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:15	03/01/22 11:37	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/01/22 10:15	03/01/22 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/01/22 10:15	03/01/22 11:37	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/01/22 10:15	03/01/22 11:37	1

Lab Sample ID: LCS 880-20522/1-A

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09996		mg/Kg		100	70 - 130
Toluene	0.100	0.09986		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.09875		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09772		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-20522/2-A

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20522

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1053		mg/Kg		105	70 - 130	5	35
Toluene	0.100	0.1041		mg/Kg		104	70 - 130	4	35
Ethylbenzene	0.100	0.1029		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2106		mg/Kg		105	70 - 130	5	35
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130	5	35

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

Lab Sample ID: 880-11807-1 MS

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: CS-29 @ 9'

Prep Type: Total/NA

Prep Batch: 20522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0996	0.06922	F1	mg/Kg		69	70 - 130
Toluene	<0.00199	U F1	0.0996	0.06835	F1	mg/Kg		68	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

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

Lab Sample ID: 880-11807-1 MS

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: CS-29 @ 9'

Prep Type: Total/NA

Prep Batch: 20522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.08253		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.199	0.1606		mg/Kg		81	70 - 130
o-Xylene	<0.00199	U	0.0996	0.09406		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-11807-1 MSD

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: CS-29 @ 9'

Prep Type: Total/NA

Prep Batch: 20522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0992	0.07112		mg/Kg		72	70 - 130	3	35
Toluene	<0.00199	U F1	0.0992	0.05015	F1	mg/Kg		50	70 - 130	31	35
Ethylbenzene	<0.00199	U F1	0.0992	0.05936	F1	mg/Kg		60	70 - 130	33	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.198	0.1068	F1 F2	mg/Kg		54	70 - 130	40	35
o-Xylene	<0.00199	U	0.0992	0.07037		mg/Kg		71	70 - 130	29	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-20589/1-A

Matrix: Solid

Analysis Batch: 20580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20589

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/01/22 09:47	03/01/22 10:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/22 09:47	03/01/22 10:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 09:47	03/01/22 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/01/22 09:47	03/01/22 10:39	1
o-Terphenyl	117		70 - 130	03/01/22 09:47	03/01/22 10:39	1

Lab Sample ID: LCS 880-20589/2-A

Matrix: Solid

Analysis Batch: 20580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	910.3		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	1000	912.6		mg/Kg		91	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

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

Lab Sample ID: LCS 880-20589/2-A

Matrix: Solid

Analysis Batch: 20580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20589

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-20589/3-A

Matrix: Solid

Analysis Batch: 20580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20589

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	920.0		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	947.2		mg/Kg		95	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-2019-A-1-D MS

Matrix: Solid

Analysis Batch: 20580

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20589

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	1000	1009		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	960.7		mg/Kg		93	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-2019-A-1-E MSD

Matrix: Solid

Analysis Batch: 20580

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20589

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	998	1072		mg/Kg		106	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1078		mg/Kg		105	70 - 130	12	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	100		70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20600/1-A

Matrix: Solid

Analysis Batch: 20602

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			03/01/22 10:57	1

Lab Sample ID: LCS 880-20600/2-A

Matrix: Solid

Analysis Batch: 20602

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.0		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-20600/3-A

Matrix: Solid

Analysis Batch: 20602

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	241.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-11807-1 MS

Matrix: Solid

Analysis Batch: 20602

Client Sample ID: CS-29 @ 9'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	304		250	544.8		mg/Kg		96	90 - 110

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

GC VOA

Prep Batch: 20522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Total/NA	Solid	5035	
880-11807-2	CS-28 @ 9.5'	Total/NA	Solid	5035	
880-11807-3	CS-15 @ 14.5'	Total/NA	Solid	5035	
880-11807-4	CS-16 @ 14.5'	Total/NA	Solid	5035	
880-11807-5	CS-20 @ 16'	Total/NA	Solid	5035	
880-11807-6	CS-22 @ 16'	Total/NA	Solid	5035	
MB 880-20522/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20522/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20522/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11807-1 MS	CS-29 @ 9'	Total/NA	Solid	5035	
880-11807-1 MSD	CS-29 @ 9'	Total/NA	Solid	5035	

Analysis Batch: 20576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Total/NA	Solid	8021B	20522
880-11807-2	CS-28 @ 9.5'	Total/NA	Solid	8021B	20522
880-11807-3	CS-15 @ 14.5'	Total/NA	Solid	8021B	20522
880-11807-4	CS-16 @ 14.5'	Total/NA	Solid	8021B	20522
880-11807-5	CS-20 @ 16'	Total/NA	Solid	8021B	20522
880-11807-6	CS-22 @ 16'	Total/NA	Solid	8021B	20522
MB 880-20522/5-A	Method Blank	Total/NA	Solid	8021B	20522
LCS 880-20522/1-A	Lab Control Sample	Total/NA	Solid	8021B	20522
LCSD 880-20522/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20522
880-11807-1 MS	CS-29 @ 9'	Total/NA	Solid	8021B	20522
880-11807-1 MSD	CS-29 @ 9'	Total/NA	Solid	8021B	20522

Analysis Batch: 20616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Total/NA	Solid	Total BTEX	
880-11807-2	CS-28 @ 9.5'	Total/NA	Solid	Total BTEX	
880-11807-3	CS-15 @ 14.5'	Total/NA	Solid	Total BTEX	
880-11807-4	CS-16 @ 14.5'	Total/NA	Solid	Total BTEX	
880-11807-5	CS-20 @ 16'	Total/NA	Solid	Total BTEX	
880-11807-6	CS-22 @ 16'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Total/NA	Solid	8015B NM	20589
880-11807-2	CS-28 @ 9.5'	Total/NA	Solid	8015B NM	20589
880-11807-3	CS-15 @ 14.5'	Total/NA	Solid	8015B NM	20589
880-11807-4	CS-16 @ 14.5'	Total/NA	Solid	8015B NM	20589
880-11807-5	CS-20 @ 16'	Total/NA	Solid	8015B NM	20589
880-11807-6	CS-22 @ 16'	Total/NA	Solid	8015B NM	20589
MB 880-20589/1-A	Method Blank	Total/NA	Solid	8015B NM	20589
LCS 880-20589/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20589
LCSD 880-20589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20589
890-2019-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20589
890-2019-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20589

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

GC Semi VOA

Prep Batch: 20589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Total/NA	Solid	8015NM Prep	
880-11807-2	CS-28 @ 9.5'	Total/NA	Solid	8015NM Prep	
880-11807-3	CS-15 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11807-4	CS-16 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11807-5	CS-20 @ 16'	Total/NA	Solid	8015NM Prep	
880-11807-6	CS-22 @ 16'	Total/NA	Solid	8015NM Prep	
MB 880-20589/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20589/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2019-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2019-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Total/NA	Solid	8015 NM	
880-11807-2	CS-28 @ 9.5'	Total/NA	Solid	8015 NM	
880-11807-3	CS-15 @ 14.5'	Total/NA	Solid	8015 NM	
880-11807-4	CS-16 @ 14.5'	Total/NA	Solid	8015 NM	
880-11807-5	CS-20 @ 16'	Total/NA	Solid	8015 NM	
880-11807-6	CS-22 @ 16'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Soluble	Solid	DI Leach	
880-11807-2	CS-28 @ 9.5'	Soluble	Solid	DI Leach	
880-11807-3	CS-15 @ 14.5'	Soluble	Solid	DI Leach	
880-11807-4	CS-16 @ 14.5'	Soluble	Solid	DI Leach	
880-11807-5	CS-20 @ 16'	Soluble	Solid	DI Leach	
880-11807-6	CS-22 @ 16'	Soluble	Solid	DI Leach	
MB 880-20600/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20600/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20600/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11807-1 MS	CS-29 @ 9'	Soluble	Solid	DI Leach	
880-11807-1 MSD	CS-29 @ 9'	Soluble	Solid	DI Leach	

Analysis Batch: 20602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11807-1	CS-29 @ 9'	Soluble	Solid	300.0	20600
880-11807-2	CS-28 @ 9.5'	Soluble	Solid	300.0	20600
880-11807-3	CS-15 @ 14.5'	Soluble	Solid	300.0	20600
880-11807-4	CS-16 @ 14.5'	Soluble	Solid	300.0	20600
880-11807-5	CS-20 @ 16'	Soluble	Solid	300.0	20600
880-11807-6	CS-22 @ 16'	Soluble	Solid	300.0	20600
MB 880-20600/1-A	Method Blank	Soluble	Solid	300.0	20600
LCS 880-20600/2-A	Lab Control Sample	Soluble	Solid	300.0	20600
LCSD 880-20600/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20600
880-11807-1 MS	CS-29 @ 9'	Soluble	Solid	300.0	20600
880-11807-1 MSD	CS-29 @ 9'	Soluble	Solid	300.0	20600

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-29 @ 9'

Lab Sample ID: 880-11807-1

Date Collected: 02/28/22 10:55

Matrix: Solid

Date Received: 03/01/22 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20522	03/01/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 11:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20616	03/01/22 14:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20619	03/01/22 15:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20589	03/01/22 10:23	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 12:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20600	03/01/22 10:00	SC	XEN MID
Soluble	Analysis	300.0		1			20602	03/01/22 11:23	SC	XEN MID

Client Sample ID: CS-28 @ 9.5'

Lab Sample ID: 880-11807-2

Date Collected: 02/28/22 11:10

Matrix: Solid

Date Received: 03/01/22 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	20522	03/01/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 12:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20616	03/01/22 14:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20619	03/01/22 15:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20589	03/01/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 13:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20600	03/01/22 10:00	SC	XEN MID
Soluble	Analysis	300.0		1			20602	03/01/22 11:50	SC	XEN MID

Client Sample ID: CS-15 @ 14.5'

Lab Sample ID: 880-11807-3

Date Collected: 02/28/22 14:40

Matrix: Solid

Date Received: 03/01/22 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	20522	03/01/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 12:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20616	03/01/22 14:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20619	03/01/22 15:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20589	03/01/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 13:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20600	03/01/22 10:00	SC	XEN MID
Soluble	Analysis	300.0		1			20602	03/01/22 11:59	SC	XEN MID

Client Sample ID: CS-16 @ 14.5'

Lab Sample ID: 880-11807-4

Date Collected: 02/28/22 14:55

Matrix: Solid

Date Received: 03/01/22 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20522	03/01/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 13:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20616	03/01/22 14:08	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Client Sample ID: CS-16 @ 14.5'

Lab Sample ID: 880-11807-4

Date Collected: 02/28/22 14:55

Matrix: Solid

Date Received: 03/01/22 09:49

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			20619	03/01/22 15:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20589	03/01/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 13:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20600	03/01/22 10:00	SC	XEN MID
Soluble	Analysis	300.0		1			20602	03/01/22 12:07	SC	XEN MID

Client Sample ID: CS-20 @ 16'

Lab Sample ID: 880-11807-5

Date Collected: 02/28/22 15:40

Matrix: Solid

Date Received: 03/01/22 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	20522	03/01/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 13:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20616	03/01/22 14:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20619	03/01/22 15:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20589	03/01/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 14:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20600	03/01/22 10:00	SC	XEN MID
Soluble	Analysis	300.0		1			20602	03/01/22 12:34	SC	XEN MID

Client Sample ID: CS-22 @ 16'

Lab Sample ID: 880-11807-6

Date Collected: 02/28/22 15:35

Matrix: Solid

Date Received: 03/01/22 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	20522	03/01/22 10:15	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 13:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20616	03/01/22 14:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20619	03/01/22 15:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20589	03/01/22 10:20	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 14:26	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20600	03/01/22 10:00	SC	XEN MID
Soluble	Analysis	300.0		1			20602	03/01/22 12:43	SC	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11807-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11807-1	CS-29 @ 9'	Solid	02/28/22 10:55	03/01/22 09:49	9'
880-11807-2	CS-28 @ 9.5'	Solid	02/28/22 11:10	03/01/22 09:49	9.5'
880-11807-3	CS-15 @ 14.5'	Solid	02/28/22 14:40	03/01/22 09:49	14.5'
880-11807-4	CS-16 @ 14.5'	Solid	02/28/22 14:55	03/01/22 09:49	14.5'
880-11807-5	CS-20 @ 16'	Solid	02/28/22 15:40	03/01/22 09:49	16'
880-11807-6	CS-22 @ 16'	Solid	02/28/22 15:35	03/01/22 09:49	16'



Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)565-3443 Lubbock TX (806)794-1296
Phoenix, AZ (602-352-1550) Atlanta GA (770-449-8800) Tampa FL (813) 288-3333
Hobbs NM (575-392-1550)

Chain of Custody

Work Order No: 11807

www.xenco.com Page 1 of 1

Project Manager:	Jared Stoffel	Bill to (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desta Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone	(432) 238-3003	Email	like, Jared, Tania, Misti

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other ☐

ANALYSIS REQUEST						Work Order Notes
Project Name.	Battle Axe Water Well					
Project Number		Routine	☐			
P O Number		Rush	24HR			
Sampler's Name	Tania Babu	Due Date				

SAMPLE RECEIPT		Temp Blank.	Yes	No	Wet Ice	Yes	No
Temperature (°C)	59.58						
Received Intact.	Yes	No					
Cooler Custody Seals	Yes	No	N/A		Correction Factor		-1
Sample Custody Seals:	Yes	No	N/A		Total Containers		

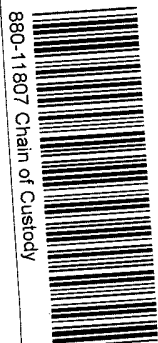
Number of Containers

15M)

021B)

es (E300)

TAT starts the day received by the lab if received by 4:30pm

[illegible]

880-11807 Chain of Custody

TAT starts the day received by the lab if received by 4 30pm

Sample Comments

Total	200.7 / 6010	200.8 / 6020:
Circle Method(s) and Metal(s) to be analyzed	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	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, 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>[Signature]</i>	<i>[Signature]</i>	3/1/22 0900	2 <i>[Signature]</i>	<i>[Signature]</i>	3/1/22 949
3			4		
5			6		

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11807-1

Login Number: 11807

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11907-1
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/3/2022 3:22:36 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11907-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

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.
α	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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Job ID: 880-11907-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11907-1****Receipt**

The samples were received on 3/2/2022 8:52 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 3.5°C

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-20657 recovered above the upper control limit for < m-Xylene & p-Xylene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20605 and analytical batch 880-20710 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20605 and analytical batch 880-20710 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20680 and analytical batch 880-20697 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-14 @ 14.5'

Lab Sample ID: 880-11907-1

Date Collected: 02/28/22 14:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	03/02/22 16:00	03/02/22 20:46	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/02/22 16:00	03/02/22 20:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/02/22 08:58	03/02/22 11:11	1
o-Terphenyl	102		70 - 130	03/02/22 08:58	03/02/22 11:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600		4.97	mg/Kg			03/03/22 09:26	1

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/02/22 16:00	03/02/22 21:13	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 16'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	03/02/22 16:00	03/02/22 21:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			03/02/22 08:58	03/02/22 11:33	1
o-Terphenyl	115		70 - 130			03/02/22 08:58	03/02/22 11:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.9		5.00	mg/Kg			03/03/22 09:44	1

Client Sample ID: CS-23 @ 14'

Lab Sample ID: 880-11907-3

Date Collected: 03/01/22 10:40

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/02/22 13:00	03/02/22 17:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/02/22 13:00	03/02/22 17:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-23 @ 14'

Lab Sample ID: 880-11907-3

Date Collected: 03/01/22 10:40

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			03/02/22 08:58	03/02/22 11:54	1
o-Terphenyl	99		70 - 130			03/02/22 08:58	03/02/22 11:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	354		4.99	mg/Kg			03/03/22 09:50	1

Client Sample ID: CS-24 @ 14'

Lab Sample ID: 880-11907-4

Date Collected: 03/01/22 09:55

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/02/22 13:00	03/02/22 18:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/02/22 13:00	03/02/22 18:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/02/22 08:58	03/02/22 12:15	1
o-Terphenyl	109		70 - 130			03/02/22 08:58	03/02/22 12:15	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-24 @ 14'

Lab Sample ID: 880-11907-4

Date Collected: 03/01/22 09:55

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.95	mg/Kg			03/03/22 09:56	1

Client Sample ID: CS-25 @ 14.5'

Lab Sample ID: 880-11907-5

Date Collected: 03/01/22 10:55

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/02/22 13:00	03/02/22 18:22	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/02/22 13:00	03/02/22 18:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/02/22 08:58	03/02/22 12:36	1
o-Terphenyl	101		70 - 130			03/02/22 08:58	03/02/22 12:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	336		4.96	mg/Kg			03/03/22 10:02	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/02/22 13:00	03/02/22 18:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/02/22 13:00	03/02/22 18:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/02/22 08:58	03/02/22 12:57	1
o-Terphenyl	117		70 - 130	03/02/22 08:58	03/02/22 12:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.9		5.01	mg/Kg			03/03/22 10:08	1

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 7'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/22 13:00	03/02/22 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/02/22 13:00	03/02/22 19:03	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 7'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	03/02/22 13:00	03/02/22 19:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/02/22 08:58	03/02/22 13:18	1
o-Terphenyl	104		70 - 130			03/02/22 08:58	03/02/22 13:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.97	F1	4.98	mg/Kg			03/03/22 11:50	1

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 8'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/02/22 13:00	03/02/22 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/02/22 13:00	03/02/22 19:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/02/22 13:00	03/02/22 19:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/02/22 08:58	03/02/22 13:38	1
o-Terphenyl	104		70 - 130			03/02/22 08:58	03/02/22 13:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.30		4.95	mg/Kg			03/03/22 12:08	1

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			03/02/22 13:00	03/02/22 19:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/02/22 13:00	03/02/22 19:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/02/22 08:58	03/02/22 13:59	1
o-Terphenyl	103		70 - 130			03/02/22 08:58	03/02/22 13:59	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.46		5.04	mg/Kg			03/03/22 12:14	1

Client Sample ID: CS-17 @ 14'

Lab Sample ID: 880-11907-10

Date Collected: 03/01/22 14:10

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 18'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/02/22 13:00	03/02/22 20:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/02/22 13:00	03/02/22 20:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			03/02/22 08:58	03/02/22 14:41	1
o-Terphenyl	103		70 - 130			03/02/22 08:58	03/02/22 14:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	264		4.98	mg/Kg			03/03/22 12:32	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-19 @ 16'

Lab Sample ID: 880-11907-11

Date Collected: 03/01/22 14:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/02/22 13:00	03/02/22 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/02/22 13:00	03/02/22 20:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/02/22 13:00	03/02/22 20:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/02/22 08:58	03/02/22 15:02	1
o-Terphenyl	111		70 - 130	03/02/22 08:58	03/02/22 15:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.3		5.00	mg/Kg			03/03/22 12:38	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

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)
880-11907-1	CS-14 @ 14.5'	85	87
880-11907-1 MS	CS-14 @ 14.5'	98	106
880-11907-1 MSD	CS-14 @ 14.5'	94	98
880-11907-2	CS-21 @ 16'	101	105
880-11907-3	CS-23 @ 14'	103	103
880-11907-4	CS-24 @ 14'	102	102
880-11907-5	CS-25 @ 14.5'	105	104
880-11907-6	CS-2 @ 7'	101	101
880-11907-7	CS-3 @ 8'	104	102
880-11907-8	CS-4 @ 10'	100	102
880-11907-9	CS-6 @ 18'	100	101
880-11907-10	CS-17 @ 14'	108	103
880-11907-11	CS-19 @ 16'	105	102
CB MB	Method Blank	51 S1-	99
LCS 880-20605/1-A	Lab Control Sample	101	124
LCSD 880-20605/2-A	Lab Control Sample Dup	97	102
MB 880-20605/5-A	Method Blank	49 S1-	101
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)
880-11907-1	CS-14 @ 14.5'	101	102
880-11907-2	CS-21 @ 16'	110	115
880-11907-3	CS-23 @ 14'	102	99
880-11907-4	CS-24 @ 14'	107	109
880-11907-5	CS-25 @ 14.5'	99	101
880-11907-6	CS-2 @ 7'	112	117
880-11907-7	CS-3 @ 8'	105	104
880-11907-8	CS-4 @ 10'	106	104
880-11907-9	CS-6 @ 18'	105	103
880-11907-10	CS-17 @ 14'	104	103
880-11907-11	CS-19 @ 16'	106	111
880-11908-A-1-B MS	Matrix Spike	107	105
880-11908-A-1-C MSD	Matrix Spike Duplicate	93	87
LCS 880-20659/2-A	Lab Control Sample	104	97
LCSD 880-20659/3-A	Lab Control Sample Dup	107	95
MB 880-20659/1-A	Method Blank	101	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130	03/02/22 16:00	03/02/22 20:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/02/22 16:00	03/02/22 20:20	1

Lab Sample ID: LCS 880-20605/1-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1224		mg/Kg		122	70 - 130
Toluene	0.100	0.1044		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2201		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: LCSD 880-20605/2-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	15	35
Toluene	0.100	0.09560		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.09996		mg/Kg		100	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-11907-1 MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: CS-14 @ 14.5'

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.07733		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1	0.101	0.06553	F1	mg/Kg		65	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

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

Lab Sample ID: 880-11907-1 MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: CS-14 @ 14.5'

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.06954	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.101	0.07034		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-11907-1 MSD

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: CS-14 @ 14.5'

Prep Type: Total/NA

Prep Batch: 20605

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	0.07748		mg/Kg		77	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.07098		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1454		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07552		mg/Kg		75	70 - 130	7	35

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

Lab Sample ID: CB MB

Matrix: Solid

Analysis Batch: 20710

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/Kg			03/02/22 17:14	1
Toluene	<0.00200	U	0.00200	mg/Kg			03/02/22 17:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			03/02/22 17:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			03/02/22 17:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			03/02/22 17:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			03/02/22 17:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	51	S1-	70 - 130		03/02/22 17:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130		03/02/22 17:14	1

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

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		03/02/22 08:58	03/02/22 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/02/22 08:58	03/02/22 09:04	1
o-Terphenyl	110		70 - 130			03/02/22 08:58	03/02/22 09:04	1

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.1		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	97		70 - 130				

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	892.2		mg/Kg		89	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-11908-A-1-B MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1050		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	949.8		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	105		70 - 130						

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

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

Lab Sample ID: 880-11908-A-1-C MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20659

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	998	973.2		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	800.0		mg/Kg		80	70 - 130	17	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	87		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20680/1-A

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			03/03/22 08:33	1

Lab Sample ID: LCS 880-20680/2-A

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	266.3		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-20680/3-A

Matrix: Solid

Analysis Batch: 20697

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	265.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-11907-7 MS

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: CS-3 @ 8'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.97	F1	249	274.9		mg/Kg		108	90 - 110

Lab Sample ID: 880-11907-7 MSD

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: CS-3 @ 8'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.97	F1	249	283.8	F1	mg/Kg		112	90 - 110	3	20

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

GC VOA

Prep Batch: 20437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-3	CS-23 @ 14'	Total/NA	Solid	5035	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	5035	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	5035	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	5035	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	5035	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	5035	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	5035	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	5035	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	5035	

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	5035	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	5035	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11907-1 MS	CS-14 @ 14.5'	Total/NA	Solid	5035	
880-11907-1 MSD	CS-14 @ 14.5'	Total/NA	Solid	5035	

Analysis Batch: 20657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8021B	20437
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8021B	20437
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8021B	20437
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8021B	20437
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8021B	20437
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8021B	20437
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8021B	20437
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8021B	20437
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8021B	20437

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8021B	20605
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8021B	20605
CB MB	Method Blank	Total/NA	Solid	8021B	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	8021B	20605
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	8021B	20605
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20605
880-11907-1 MS	CS-14 @ 14.5'	Total/NA	Solid	8021B	20605
880-11907-1 MSD	CS-14 @ 14.5'	Total/NA	Solid	8021B	20605

Analysis Batch: 20744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	Total BTEX	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	Total BTEX	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	Total BTEX	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	Total BTEX	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	Total BTEX	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

GC VOA (Continued)

Analysis Batch: 20744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-7	CS-3 @ 8'	Total/NA	Solid	Total BTEX	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	Total BTEX	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	Total BTEX	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	Total BTEX	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015B NM	20659
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015B NM	20659
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015B NM	20659
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015B NM	20659
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015B NM	20659
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015B NM	20659
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015B NM	20659
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015B NM	20659
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015B NM	20659
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20659
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20659
880-11908-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	20659
880-11908-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20659

Prep Batch: 20659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015NM Prep	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015NM Prep	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015NM Prep	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015NM Prep	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015NM Prep	
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11908-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11908-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015 NM	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015 NM	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

GC Semi VOA (Continued)

Analysis Batch: 20723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015 NM	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015 NM	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015 NM	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015 NM	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015 NM	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015 NM	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015 NM	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Soluble	Solid	DI Leach	
880-11907-2	CS-21 @ 16'	Soluble	Solid	DI Leach	
880-11907-3	CS-23 @ 14'	Soluble	Solid	DI Leach	
880-11907-4	CS-24 @ 14'	Soluble	Solid	DI Leach	
880-11907-5	CS-25 @ 14.5'	Soluble	Solid	DI Leach	
880-11907-6	CS-2 @ 7'	Soluble	Solid	DI Leach	
880-11907-7	CS-3 @ 8'	Soluble	Solid	DI Leach	
880-11907-8	CS-4 @ 10'	Soluble	Solid	DI Leach	
880-11907-9	CS-6 @ 18'	Soluble	Solid	DI Leach	
880-11907-10	CS-17 @ 14'	Soluble	Solid	DI Leach	
880-11907-11	CS-19 @ 16'	Soluble	Solid	DI Leach	
MB 880-20680/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20680/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20680/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11907-7 MS	CS-3 @ 8'	Soluble	Solid	DI Leach	
880-11907-7 MSD	CS-3 @ 8'	Soluble	Solid	DI Leach	

Analysis Batch: 20697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Soluble	Solid	300.0	20680
880-11907-2	CS-21 @ 16'	Soluble	Solid	300.0	20680
880-11907-3	CS-23 @ 14'	Soluble	Solid	300.0	20680
880-11907-4	CS-24 @ 14'	Soluble	Solid	300.0	20680
880-11907-5	CS-25 @ 14.5'	Soluble	Solid	300.0	20680
880-11907-6	CS-2 @ 7'	Soluble	Solid	300.0	20680
880-11907-7	CS-3 @ 8'	Soluble	Solid	300.0	20680
880-11907-8	CS-4 @ 10'	Soluble	Solid	300.0	20680
880-11907-9	CS-6 @ 18'	Soluble	Solid	300.0	20680
880-11907-10	CS-17 @ 14'	Soluble	Solid	300.0	20680
880-11907-11	CS-19 @ 16'	Soluble	Solid	300.0	20680
MB 880-20680/1-A	Method Blank	Soluble	Solid	300.0	20680
LCS 880-20680/2-A	Lab Control Sample	Soluble	Solid	300.0	20680
LCSD 880-20680/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20680
880-11907-7 MS	CS-3 @ 8'	Soluble	Solid	300.0	20680
880-11907-7 MSD	CS-3 @ 8'	Soluble	Solid	300.0	20680

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-14 @ 14.5'

Lab Sample ID: 880-11907-1

Date Collected: 02/28/22 14:30

Matrix: Solid

Date Received: 03/02/22 08:52

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	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 20:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:11	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 09:26	CH	XEN MID

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

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	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 21:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:33	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 09:44	CH	XEN MID

Client Sample ID: CS-23 @ 14'

Lab Sample ID: 880-11907-3

Date Collected: 03/01/22 10:40

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 17:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 09:50	CH	XEN MID

Client Sample ID: CS-24 @ 14'

Lab Sample ID: 880-11907-4

Date Collected: 03/01/22 09:55

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 18:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-24 @ 14'

Lab Sample ID: 880-11907-4

Date Collected: 03/01/22 09:55

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 09:56	CH	XEN MID

Client Sample ID: CS-25 @ 14.5'

Lab Sample ID: 880-11907-5

Date Collected: 03/01/22 10:55

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 18:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 10:02	CH	XEN MID

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 18:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 10:08	CH	XEN MID

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 19:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:18	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 11:50	CH	XEN MID

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 19:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 12:08	CH	XEN MID

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 19:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 12:14	CH	XEN MID

Client Sample ID: CS-17 @ 14'

Lab Sample ID: 880-11907-10

Date Collected: 03/01/22 14:10

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 20:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 14:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 12:32	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Client Sample ID: CS-19 @ 16'

Lab Sample ID: 880-11907-11

Date Collected: 03/01/22 14:50

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 20:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 15:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 12:38	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11907-1	CS-14 @ 14.5'	Solid	02/28/22 14:30	03/02/22 08:52	14.5'
880-11907-2	CS-21 @ 16'	Solid	02/28/22 15:50	03/02/22 08:52	16'
880-11907-3	CS-23 @ 14'	Solid	03/01/22 10:40	03/02/22 08:52	14'
880-11907-4	CS-24 @ 14'	Solid	03/01/22 09:55	03/02/22 08:52	14'
880-11907-5	CS-25 @ 14.5'	Solid	03/01/22 10:55	03/02/22 08:52	14'
880-11907-6	CS-2 @ 7'	Solid	03/01/22 12:50	03/02/22 08:52	14.5'
880-11907-7	CS-3 @ 8'	Solid	03/01/22 12:30	03/02/22 08:52	7'
880-11907-8	CS-4 @ 10'	Solid	03/01/22 13:10	03/02/22 08:52	8'
880-11907-9	CS-6 @ 18'	Solid	03/01/22 13:35	03/02/22 08:52	10'
880-11907-10	CS-17 @ 14'	Solid	03/01/22 14:10	03/02/22 08:52	18'
880-11907-11	CS-19 @ 16'	Solid	03/01/22 14:50	03/02/22 08:52	14'



Chain of Custody

Houston, TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296
 Hobbs NM (575-392-7550) Phoenix, AZ (480-555-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)



880-11907 Chain of Custody

Project Manager	Jared Stoffel	Bill to (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desta Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone	(432) 238-3003	Email	jstoffer@trccompanies.com, ike.tavarez@conocophillips.com TBabu@trccompanies.com, MMBryant@trccompanies.com

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

Project Name	Battle Axe Water Well	Turn Around																	Work Order Notes			
Project Number		Routine ☐																				
P.O. Number		Rush SAME DAY																				
Sampler's Name	Tania Babu	Due Date																				
SAMPLE RECEIPT		Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No																			
Temperature (°C)	3.6/3.5	Thermometer ID	128																			
Received Intact:	Yes ☒ No ☐	Correction Factor	-0.1																			
Cooler Custody Seals:	Yes ☒ No ☐	Total Containers:																				
Sample Custody Seals:	Yes ☒ No ☐																					
Sample Identification			Date Sampled	Time Sampled	Depth	Number of Containers																Sample Comments
						TPH (8015M)	BTEX (8021B)	Chlorides (E300)														
CS-14 @ 14.5'			2/28/2022	1430	14.5'	1	X	X	X													
CS-21 @ 16'			2/28/2022	1550	16'	1	X	X	X													
CS-23 @ 14'			3/1/2022	1040	14'	1	X	X	X													
CS-24 @ 14'			3/1/2022	0955	14'	1	X	X	X													
CS-25 @ 14.5'			3/1/2022	1055	14.5'	1	X	X	X													
CS-2 @ 7'			3/1/2022	1250	7'	1	X	X	X													
CS-3 @ 8'			3/1/2022	1230	8'	1	X	X	X													
CS-4 @ 10'			3/1/2022	1310	10'	1	X	X	X													
CS-6 @ 18'			3/1/2022	1335	18'	1	X	X	X													
CS-17 @ 14'			3/1/2022	1410	14'	1	X	X	X													
Total 200.7 / 6010 200.8 / 6020:			8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 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 1631 / 245.1 / 7470 / 7471 Hg																			
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.																						
Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time																	
		3/2/22			2																	
		3/2/22			4																	
		3/2/22			6																	



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland TX (432-704-5440) El Paso, TX (915)565-3443 Lubbock, TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa, FL (813-888-8888)

Chain of Custody

Work Order No: 11907

www.xenco.com Page 2 of 2

Project Manager	Jared Stoffel	Bill to (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desta Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone	(432) 238-3003	Email	JStoffel@trccompanies.com, Ike.Tavares@conocophillips.com TBabu@trccompanies.com, MMBryan@trccompanies.com

Work Order Comments			
Program: UST/PT ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐			
State of Project:			
Reporting Level I ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐			
Deliverables EDD ☐ ADAPT ☐ Other ☐			

[illegible]

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	Ti	Sn	U	Zn
<i>Circle Method(s) and Metal(s) to be analyzed</i>		TCLP / SPLP	6010	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U												

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5.00 for each sample submitted to Xenco, but not analyzed. These terms are enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	6/2/00			
2 <i>[Signature]</i>	<i>[Signature]</i>	6/2/00			
3 <i>[Signature]</i>	<i>[Signature]</i>	6/2/00			

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11907-1

Login Number: 11907

List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11907-2
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/2/2022 9:41:49 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11907-2

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Job ID: 880-11907-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11907-2

Receipt

The samples were received on 3/2/2022 8:52 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 3.5°C

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-20657 recovered above the upper control limit for < m-Xylene & p-Xylene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20605 and analytical batch 880-20710 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-14 @ 14.5'

Lab Sample ID: 880-11907-1

Date Collected: 02/28/22 14:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:46	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	03/02/22 16:00	03/02/22 20:46	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/02/22 16:00	03/02/22 20:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/02/22 08:58	03/02/22 11:11	1
o-Terphenyl	102		70 - 130	03/02/22 08:58	03/02/22 11:11	1

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:13	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 16:00	03/02/22 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/02/22 16:00	03/02/22 21:13	1
1,4-Difluorobenzene (Surr)	105		70 - 130	03/02/22 16:00	03/02/22 21:13	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 16'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			03/02/22 08:58	03/02/22 11:33	1
o-Terphenyl	115		70 - 130			03/02/22 08:58	03/02/22 11:33	1

Client Sample ID: CS-23 @ 14'

Lab Sample ID: 880-11907-3

Date Collected: 03/01/22 10:40

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 17:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			03/02/22 13:00	03/02/22 17:41	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/02/22 13:00	03/02/22 17:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-23 @ 14'

Date Collected: 03/01/22 10:40

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-3

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/02/22 08:58	03/02/22 11:54	1
o-Terphenyl	99		70 - 130	03/02/22 08:58	03/02/22 11:54	1

Client Sample ID: CS-24 @ 14'

Date Collected: 03/01/22 09:55

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			03/02/22 13:00	03/02/22 18:02	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/02/22 13:00	03/02/22 18:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/02/22 08:58	03/02/22 12:15	1
o-Terphenyl	109		70 - 130			03/02/22 08:58	03/02/22 12:15	1

Client Sample ID: CS-25 @ 14.5'

Date Collected: 03/01/22 10:55

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/02/22 13:00	03/02/22 18:22	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-25 @ 14.5'

Lab Sample ID: 880-11907-5

Date Collected: 03/01/22 10:55

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/02/22 13:00	03/02/22 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/02/22 13:00	03/02/22 18:22	1
1,4-Difluorobenzene (Surr)	104		70 - 130			03/02/22 13:00	03/02/22 18:22	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/02/22 08:58	03/02/22 12:36	1
o-Terphenyl	101		70 - 130			03/02/22 08:58	03/02/22 12:36	1

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Toluene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/02/22 13:00	03/02/22 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			03/02/22 13:00	03/02/22 18:43	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/02/22 13:00	03/02/22 18:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/02/22 21:23	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			03/02/22 08:58	03/02/22 12:57	1
o-Terphenyl	117		70 - 130			03/02/22 08:58	03/02/22 12:57	1

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 7'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/22 13:00	03/02/22 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			03/02/22 13:00	03/02/22 19:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/02/22 13:00	03/02/22 19:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/02/22 08:58	03/02/22 13:18	1
o-Terphenyl	104		70 - 130			03/02/22 08:58	03/02/22 13:18	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 8'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
Toluene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		03/02/22 13:00	03/02/22 19:23	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		03/02/22 13:00	03/02/22 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/02/22 13:00	03/02/22 19:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130	03/02/22 13:00	03/02/22 19:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/02/22 08:58	03/02/22 13:38	1
o-Terphenyl	104		70 - 130	03/02/22 08:58	03/02/22 13:38	1

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/22 13:00	03/02/22 19:44	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/22 13:00	03/02/22 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	03/02/22 13:00	03/02/22 19:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/02/22 13:00	03/02/22 19:44	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/02/22 08:58	03/02/22 13:59	1
o-Terphenyl	103		70 - 130			03/02/22 08:58	03/02/22 13:59	1

Client Sample ID: CS-17 @ 14'

Lab Sample ID: 880-11907-10

Date Collected: 03/01/22 14:10

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 18'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 13:00	03/02/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/02/22 13:00	03/02/22 20:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130			03/02/22 13:00	03/02/22 20:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-17 @ 14'

Date Collected: 03/01/22 14:10

Date Received: 03/02/22 08:52

Sample Depth: 18'

Lab Sample ID: 880-11907-10

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	03/02/22 08:58	03/02/22 14:41	1
o-Terphenyl	103		70 - 130	03/02/22 08:58	03/02/22 14:41	1

Client Sample ID: CS-19 @ 16'

Date Collected: 03/01/22 14:50

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		03/02/22 13:00	03/02/22 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/02/22 13:00	03/02/22 20:25	1
1,4-Difluorobenzene (Surr)	102		70 - 130			03/02/22 13:00	03/02/22 20:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			03/02/22 21:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			03/02/22 08:58	03/02/22 15:02	1
o-Terphenyl	111		70 - 130			03/02/22 08:58	03/02/22 15:02	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

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)
880-11907-1	CS-14 @ 14.5'	85	87
880-11907-1 MS	CS-14 @ 14.5'	98	106
880-11907-1 MSD	CS-14 @ 14.5'	94	98
880-11907-2	CS-21 @ 16'	101	105
880-11907-3	CS-23 @ 14'	103	103
880-11907-4	CS-24 @ 14'	102	102
880-11907-5	CS-25 @ 14.5'	105	104
880-11907-6	CS-2 @ 7'	101	101
880-11907-7	CS-3 @ 8'	104	102
880-11907-8	CS-4 @ 10'	100	102
880-11907-9	CS-6 @ 18'	100	101
880-11907-10	CS-17 @ 14'	108	103
880-11907-11	CS-19 @ 16'	105	102
LCS 880-20605/1-A	Lab Control Sample	101	124
LCSD 880-20605/2-A	Lab Control Sample Dup	97	102
MB 880-20605/5-A	Method Blank	49 S1-	101
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)
880-11907-1	CS-14 @ 14.5'	101	102
880-11907-2	CS-21 @ 16'	110	115
880-11907-3	CS-23 @ 14'	102	99
880-11907-4	CS-24 @ 14'	107	109
880-11907-5	CS-25 @ 14.5'	99	101
880-11907-6	CS-2 @ 7'	112	117
880-11907-7	CS-3 @ 8'	105	104
880-11907-8	CS-4 @ 10'	106	104
880-11907-9	CS-6 @ 18'	105	103
880-11907-10	CS-17 @ 14'	104	103
880-11907-11	CS-19 @ 16'	106	111
880-11908-A-1-B MS	Matrix Spike	107	105
880-11908-A-1-C MSD	Matrix Spike Duplicate	93	87
LCS 880-20659/2-A	Lab Control Sample	104	97
LCSD 880-20659/3-A	Lab Control Sample Dup	107	95
MB 880-20659/1-A	Method Blank	101	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130	03/02/22 16:00	03/02/22 20:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/02/22 16:00	03/02/22 20:20	1

Lab Sample ID: LCS 880-20605/1-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1224		mg/Kg		122	70 - 130
Toluene	0.100	0.1044		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2201		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: LCSD 880-20605/2-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	15	35
Toluene	0.100	0.09560		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.09996		mg/Kg		100	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-11907-1 MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: CS-14 @ 14.5'

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.07733		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1	0.101	0.06553	F1	mg/Kg		65	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

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

Lab Sample ID: 880-11907-1 MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: CS-14 @ 14.5'

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.06954	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.101	0.07034		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-11907-1 MSD

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: CS-14 @ 14.5'

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.07748		mg/Kg		77	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.07098		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1454		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07552		mg/Kg		75	70 - 130	7	35

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

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/02/22 08:58	03/02/22 09:04	1
o-Terphenyl	110		70 - 130	03/02/22 08:58	03/02/22 09:04	1

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.1		mg/Kg		88	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

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

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	892.2		mg/Kg		89	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-11908-A-1-B MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20659

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	1000	1050		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	949.8		mg/Kg		95	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11908-A-1-C MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20659

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	998	973.2		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	800.0		mg/Kg		80	70 - 130	17	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	87		70 - 130

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

GC VOA

Prep Batch: 20437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-3	CS-23 @ 14'	Total/NA	Solid	5035	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	5035	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	5035	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	5035	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	5035	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	5035	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	5035	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	5035	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	5035	

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	5035	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	5035	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11907-1 MS	CS-14 @ 14.5'	Total/NA	Solid	5035	
880-11907-1 MSD	CS-14 @ 14.5'	Total/NA	Solid	5035	

Analysis Batch: 20657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8021B	20437
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8021B	20437
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8021B	20437
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8021B	20437
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8021B	20437
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8021B	20437
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8021B	20437
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8021B	20437
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8021B	20437

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8021B	20605
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8021B	20605
MB 880-20605/5-A	Method Blank	Total/NA	Solid	8021B	20605
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	8021B	20605
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20605
880-11907-1 MS	CS-14 @ 14.5'	Total/NA	Solid	8021B	20605
880-11907-1 MSD	CS-14 @ 14.5'	Total/NA	Solid	8021B	20605

Analysis Batch: 20744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	Total BTEX	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	Total BTEX	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	Total BTEX	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	Total BTEX	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	Total BTEX	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	Total BTEX	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

GC VOA (Continued)

Analysis Batch: 20744 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-8	CS-4 @ 10'	Total/NA	Solid	Total BTEX	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	Total BTEX	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	Total BTEX	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015B NM	20659
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015B NM	20659
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015B NM	20659
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015B NM	20659
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015B NM	20659
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015B NM	20659
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015B NM	20659
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015B NM	20659
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015B NM	20659
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20659
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20659
880-11908-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	20659
880-11908-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20659

Prep Batch: 20659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015NM Prep	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015NM Prep	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015NM Prep	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015NM Prep	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015NM Prep	
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11908-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11908-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015 NM	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015 NM	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015 NM	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

GC Semi VOA (Continued)

Analysis Batch: 20723 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015 NM	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015 NM	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015 NM	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015 NM	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015 NM	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015 NM	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015 NM	

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-14 @ 14.5'**Lab Sample ID: 880-11907-1****Date Collected: 02/28/22 14:30****Matrix: Solid****Date Received: 03/02/22 08:52**

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	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 20:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:11	AJ	XEN MID

Client Sample ID: CS-21 @ 16'**Lab Sample ID: 880-11907-2****Date Collected: 02/28/22 15:50****Matrix: Solid****Date Received: 03/02/22 08:52**

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	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 21:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:33	AJ	XEN MID

Client Sample ID: CS-23 @ 14'**Lab Sample ID: 880-11907-3****Date Collected: 03/01/22 10:40****Matrix: Solid****Date Received: 03/02/22 08:52**

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 17:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:54	AJ	XEN MID

Client Sample ID: CS-24 @ 14'**Lab Sample ID: 880-11907-4****Date Collected: 03/01/22 09:55****Matrix: Solid****Date Received: 03/02/22 08:52**

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 18:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:15	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-25 @ 14.5'

Lab Sample ID: 880-11907-5

Date Collected: 03/01/22 10:55

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 18:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:36	AJ	XEN MID

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 18:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:57	AJ	XEN MID

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 19:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:18	AJ	XEN MID

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 19:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:38	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 19:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:59	AJ	XEN MID

Client Sample ID: CS-17 @ 14'

Lab Sample ID: 880-11907-10

Date Collected: 03/01/22 14:10

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 20:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 14:41	AJ	XEN MID

Client Sample ID: CS-19 @ 16'

Lab Sample ID: 880-11907-11

Date Collected: 03/01/22 14:50

Matrix: Solid

Date Received: 03/02/22 08:52

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	20437	03/02/22 13:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20657	03/02/22 20:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20744	03/02/22 21:23	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 15:02	AJ	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11907-1	CS-14 @ 14.5'	Solid	02/28/22 14:30	03/02/22 08:52	14.5'
880-11907-2	CS-21 @ 16'	Solid	02/28/22 15:50	03/02/22 08:52	16'
880-11907-3	CS-23 @ 14'	Solid	03/01/22 10:40	03/02/22 08:52	14'
880-11907-4	CS-24 @ 14'	Solid	03/01/22 09:55	03/02/22 08:52	14'
880-11907-5	CS-25 @ 14.5'	Solid	03/01/22 10:55	03/02/22 08:52	14'
880-11907-6	CS-2 @ 7'	Solid	03/01/22 12:50	03/02/22 08:52	14.5'
880-11907-7	CS-3 @ 8'	Solid	03/01/22 12:30	03/02/22 08:52	7'
880-11907-8	CS-4 @ 10'	Solid	03/01/22 13:10	03/02/22 08:52	8'
880-11907-9	CS-6 @ 18'	Solid	03/01/22 13:35	03/02/22 08:52	10'
880-11907-10	CS-17 @ 14'	Solid	03/01/22 14:10	03/02/22 08:52	18'
880-11907-11	CS-19 @ 16'	Solid	03/01/22 14:50	03/02/22 08:52	14'



Chain of Custody

Houston, TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) El Paso, TX (915)585-3443 Lubbock, TX (806)794-1296
Hobbs NM (505-392-7550) Phoenix AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-291-1111)

880-11907 Chain of Custody

Project Manager	Jared Stoffel	Bill to (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desta Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone	(432) 238-3003	Email	j.Stoffel@trccompanies.com, like Tavaraz@conocophillips.com JBabu@trccompanies.com, MMBryant@trccompanies.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables EDD ☐ ADAPT ☐ Other ☐

Project Name		Battle Axe Water Well	Turn Around										Work Order Notes				
Project Number			Routine		☐												
P O Number			Rush SAME DAY														
Sampler's Name		Tania Babu	Due Date														
SAMPLE RECEIPT						Temp Blank:		Yes ☒ No ☒	Wet Ice:	Yes ☒ No ☒	TAT starts the day received by the lab if received by 4:30pm Sample Comments						
Temperature (°C)		36.3.5		Thermometer ID													
Received Intact:		Yes ☒ No ☒		Correction Factor:		128-0.1											
Cooler Custody Seals:		Yes ☒ No ☒		Total Containers:													
Sample Custody Seals:		Yes ☒ No ☒															
Sample Identification		Matrix	Date Sampled		Time Sampled	Depth	Number of Containers										
CS-14 @ 14.5'		SS	2/28/2022		1430	14.5'	1	X	X	X							
CS-21 @ 16'		SS	2/28/2022		1550	16'	1	X	X	X							
CS-23 @ 14'		SS	3/1/2022		1040	14'	1	X	X	X							
CS-24 @ 14'		SS	3/1/2022		0955	14'	1	X	X	X							
CS-25 @ 14.5'		SS	3/1/2022		1055	14.5'	1	X	X	X							
CS-2 @ 7'		SS	3/1/2022		1250	7'	1	X	X	X							
CS-3 @ 8'		SS	3/1/2022		1230	8'	1	X	X	X							
CS-4 @ 10'		SS	3/1/2022		1310	10'	1	X	X	X							
CS-6 @ 18'		SS	3/1/2022		1335	18'	1	X	X	X							
CS-17 @ 14'		SS	3/1/2022		1410	14'	1	X	X	X							
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 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 1631 / 245.1 / 7470 / 7471 Hg																	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.																	
Relinquished by (Signature)		Received by (Signature)		Date/Time	Relinquished by (Signature)		Received by (Signature)		Date/Time								
				3/3/22					2								
				3/3/22					4								
									6								



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Midland TX (432-704-5440) El Paso, TX (915)565-3443 Lubbock, TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa, FL (813-888-8888)

Chain of Custody

Work Order No: 11907

www.xenco.com Page 2 of 2

Project Manager		Jared Stoffel	Bill to (if different)	TRC
Company Name		TRC	Company Name	
Address		10 Desta Dr STE 130 E	Address	
City, State ZIP		Midland, TX 79705	City, State ZIP	
Phone		(432) 238-3003	Email	jStoffel@trccompanies.com, lke.Tavaraz@conocophillips.com TBabu@trccompanies.com, MMBryan@trccompanies.com

Work Order Comments Program: UST/ST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐ State of Project: Reporting Level I ☐ Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other ☐	

[illegible]

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	Ti	Sn	U	V	Zn
<i>Circle Method(s) and Metal(s) to be analyzed</i>		TCLP / SPLP	6010	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U													

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6/2/00			
		6/1/00			

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11907-2

Login Number: 11907

List Number: 1

Creator: Teel, Brianna

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11907-2
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/2/2022 6:27:10 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11907-2

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Preliminary Data

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Qualifiers

GC Semi VOA

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Job ID: 880-11907-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11907-2

Receipt

The samples were received on 3/2/2022 8:52 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 3.5°C

GC Semi VOA

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

Preliminary Data

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-14 @ 14.5'

Lab Sample ID: 880-11907-1

Date Collected: 02/28/22 14:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/02/22 08:58	03/02/22 11:11	1
o-Terphenyl	102		70 - 130	03/02/22 08:58	03/02/22 11:11	1

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 16'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/02/22 08:58	03/02/22 11:33	1
o-Terphenyl	115		70 - 130	03/02/22 08:58	03/02/22 11:33	1

Client Sample ID: CS-23 @ 14'

Lab Sample ID: 880-11907-3

Date Collected: 03/01/22 10:40

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 11:54	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-23 @ 14'

Date Collected: 03/01/22 10:40

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-3

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	03/02/22 08:58	03/02/22 11:54	1
o-Terphenyl	99		70 - 130	03/02/22 08:58	03/02/22 11:54	1

Client Sample ID: CS-24 @ 14'

Date Collected: 03/01/22 09:55

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/02/22 08:58	03/02/22 12:15	1
o-Terphenyl	109		70 - 130			03/02/22 08:58	03/02/22 12:15	1

Client Sample ID: CS-25 @ 14.5'

Date Collected: 03/01/22 10:55

Date Received: 03/02/22 08:52

Sample Depth: 14'

Lab Sample ID: 880-11907-5

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/02/22 08:58	03/02/22 12:36	1
o-Terphenyl	101		70 - 130			03/02/22 08:58	03/02/22 12:36	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 12:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130			03/02/22 08:58	03/02/22 12:57	1
o-Terphenyl	117		70 - 130			03/02/22 08:58	03/02/22 12:57	1

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 7'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/02/22 08:58	03/02/22 13:18	1
o-Terphenyl	104		70 - 130			03/02/22 08:58	03/02/22 13:18	1

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 08:58	03/02/22 13:38	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-4 @ 10'

Date Collected: 03/01/22 13:10

Date Received: 03/02/22 08:52

Sample Depth: 8'

Lab Sample ID: 880-11907-8

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/02/22 08:58	03/02/22 13:38	1
o-Terphenyl	104		70 - 130	03/02/22 08:58	03/02/22 13:38	1

Client Sample ID: CS-6 @ 18'

Date Collected: 03/01/22 13:35

Date Received: 03/02/22 08:52

Sample Depth: 10'

Lab Sample ID: 880-11907-9

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130			03/02/22 08:58	03/02/22 13:59	1
o-Terphenyl	103		70 - 130			03/02/22 08:58	03/02/22 13:59	1

Client Sample ID: CS-17 @ 14'

Date Collected: 03/01/22 14:10

Date Received: 03/02/22 08:52

Sample Depth: 18'

Lab Sample ID: 880-11907-10

Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			03/02/22 08:58	03/02/22 14:41	1
o-Terphenyl	103		70 - 130			03/02/22 08:58	03/02/22 14:41	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-19 @ 16'

Lab Sample ID: 880-11907-11

Date Collected: 03/01/22 14:50

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 14'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		03/02/22 08:58	03/02/22 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/02/22 08:58	03/02/22 15:02	1
o-Terphenyl	111		70 - 130	03/02/22 08:58	03/02/22 15:02	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-11907-1	CS-14 @ 14.5'	101	102
880-11907-2	CS-21 @ 16'	110	115
880-11907-3	CS-23 @ 14'	102	99
880-11907-4	CS-24 @ 14'	107	109
880-11907-5	CS-25 @ 14.5'	99	101
880-11907-6	CS-2 @ 7'	112	117
880-11907-7	CS-3 @ 8'	105	104
880-11907-8	CS-4 @ 10'	106	104
880-11907-9	CS-6 @ 18'	105	103
880-11907-10	CS-17 @ 14'	104	103
880-11907-11	CS-19 @ 16'	106	111
880-11908-A-1-B MS	Matrix Spike	107	105
880-11908-A-1-C MSD	Matrix Spike Duplicate	93	87
LCS 880-20659/2-A	Lab Control Sample	104	97
LCSD 880-20659/3-A	Lab Control Sample Dup	107	95
MB 880-20659/1-A	Method Blank	101	110

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/02/22 08:58	03/02/22 09:04	1
o-Terphenyl	110		70 - 130			03/02/22 08:58	03/02/22 09:04	1

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.1		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	97		70 - 130				

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	892.2		mg/Kg		89	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-11908-A-1-B MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1050		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	949.8		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

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

Lab Sample ID: 880-11908-A-1-B MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20659

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11908-A-1-C MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20659

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	998	973.2		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	800.0		mg/Kg		80	70 - 130	17	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	87		70 - 130

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

GC Semi VOA

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015B NM	20659
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015B NM	20659
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015B NM	20659
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015B NM	20659
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015B NM	20659
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015B NM	20659
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015B NM	20659
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015B NM	20659
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015B NM	20659
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015B NM	20659
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20659
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20659
880-11908-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	20659
880-11908-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20659

Prep Batch: 20659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015NM Prep	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015NM Prep	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015NM Prep	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015NM Prep	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015NM Prep	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015NM Prep	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015NM Prep	
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11908-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11908-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11907-1	CS-14 @ 14.5'	Total/NA	Solid	8015 NM	
880-11907-2	CS-21 @ 16'	Total/NA	Solid	8015 NM	
880-11907-3	CS-23 @ 14'	Total/NA	Solid	8015 NM	
880-11907-4	CS-24 @ 14'	Total/NA	Solid	8015 NM	
880-11907-5	CS-25 @ 14.5'	Total/NA	Solid	8015 NM	
880-11907-6	CS-2 @ 7'	Total/NA	Solid	8015 NM	
880-11907-7	CS-3 @ 8'	Total/NA	Solid	8015 NM	
880-11907-8	CS-4 @ 10'	Total/NA	Solid	8015 NM	
880-11907-9	CS-6 @ 18'	Total/NA	Solid	8015 NM	
880-11907-10	CS-17 @ 14'	Total/NA	Solid	8015 NM	
880-11907-11	CS-19 @ 16'	Total/NA	Solid	8015 NM	

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-14 @ 14.5'

Lab Sample ID: 880-11907-1

Date Collected: 02/28/22 14:30

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:11	AJ	XEN MID

Client Sample ID: CS-21 @ 16'

Lab Sample ID: 880-11907-2

Date Collected: 02/28/22 15:50

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:33	AJ	XEN MID

Client Sample ID: CS-23 @ 14'

Lab Sample ID: 880-11907-3

Date Collected: 03/01/22 10:40

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 11:54	AJ	XEN MID

Client Sample ID: CS-24 @ 14'

Lab Sample ID: 880-11907-4

Date Collected: 03/01/22 09:55

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:15	AJ	XEN MID

Client Sample ID: CS-25 @ 14.5'

Lab Sample ID: 880-11907-5

Date Collected: 03/01/22 10:55

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:36	AJ	XEN MID

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-2 @ 7'

Lab Sample ID: 880-11907-6

Date Collected: 03/01/22 12:50

Matrix: Solid

Date Received: 03/02/22 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 12:57	AJ	XEN MID

Client Sample ID: CS-3 @ 8'

Lab Sample ID: 880-11907-7

Date Collected: 03/01/22 12:30

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:18	AJ	XEN MID

Client Sample ID: CS-4 @ 10'

Lab Sample ID: 880-11907-8

Date Collected: 03/01/22 13:10

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:38	AJ	XEN MID

Client Sample ID: CS-6 @ 18'

Lab Sample ID: 880-11907-9

Date Collected: 03/01/22 13:35

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 13:59	AJ	XEN MID

Client Sample ID: CS-17 @ 14'

Lab Sample ID: 880-11907-10

Date Collected: 03/01/22 14:10

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 14:41	AJ	XEN MID

Client Sample ID: CS-19 @ 16'

Lab Sample ID: 880-11907-11

Date Collected: 03/01/22 14:50

Matrix: Solid

Date Received: 03/02/22 08:52

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			20723	03/02/22 17:02	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Client Sample ID: CS-19 @ 16'
Date Collected: 03/01/22 14:50
Date Received: 03/02/22 08:52

Lab Sample ID: 880-11907-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20659	03/02/22 08:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 15:02	AJ	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Preliminary Data

- 1
- 2
- 3
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- 8
- 9
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- 12
- 13
- 14

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Preliminary Data

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11907-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11907-1	CS-14 @ 14.5'	Solid	02/28/22 14:30	03/02/22 08:52	14.5'
880-11907-2	CS-21 @ 16'	Solid	02/28/22 15:50	03/02/22 08:52	16'
880-11907-3	CS-23 @ 14'	Solid	03/01/22 10:40	03/02/22 08:52	14'
880-11907-4	CS-24 @ 14'	Solid	03/01/22 09:55	03/02/22 08:52	14'
880-11907-5	CS-25 @ 14.5'	Solid	03/01/22 10:55	03/02/22 08:52	14'
880-11907-6	CS-2 @ 7'	Solid	03/01/22 12:50	03/02/22 08:52	14.5'
880-11907-7	CS-3 @ 8'	Solid	03/01/22 12:30	03/02/22 08:52	7'
880-11907-8	CS-4 @ 10'	Solid	03/01/22 13:10	03/02/22 08:52	8'
880-11907-9	CS-6 @ 18'	Solid	03/01/22 13:35	03/02/22 08:52	10'
880-11907-10	CS-17 @ 14'	Solid	03/01/22 14:10	03/02/22 08:52	18'
880-11907-11	CS-19 @ 16'	Solid	03/01/22 14:50	03/02/22 08:52	14'

Preliminary Data



Chain of Custody

Houston, TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio, TX (210) 509-3334
 Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296
 Hobbs NM (575-392-7550) Phoenix, AZ (480-555-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)



880-11907 Chain of Custody

Project Manager	Jared Stoffel	Bill to (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desta Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone	(432) 238-3003	Email	jstoffel@trccompanies.com, ike.tavarez@conocophillips.com TBabu@trccompanies.com, MMBryant@trccompanies.com

Work Order Comments Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: _____ Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other _____	

Project Name	Battle Axe Water Well	Turn Around																	Work Order Notes	
Project Number		Routine ☐																		
P.O. Number		Rush SAME DAY																		
Sampler's Name	Tania Babu	Due Date																		
SAMPLE RECEIPT		Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No																	
Temperature (°C)	3.6/3.5	Thermometer ID																		
Received Intact:	Yes ☒ No ☐	Correction Factor																		
Cooler Custody Seals:	Yes ☒ No ☐	Total Containers:																		
Sample Custody Seals:	Yes ☒ No ☐																			
Sample Identification			Matrix	Date Sampled	Time Sampled	Depth	Number of Containers										Sample Comments			
							TPH (8015M)	BTEX (8021B)	Chlorides (E300)											
CS-14 @ 14.5'			SS	2/28/2022	1430	14.5'	1	X	X	X										
CS-21 @ 16'			SS	2/28/2022	1550	16'	1	X	X	X										
CS-23 @ 14'			SS	3/1/2022	1040	14'	1	X	X	X										
CS-24 @ 14'			SS	3/1/2022	0955	14'	1	X	X	X										
CS-25 @ 14.5'			SS	3/1/2022	1055	14.5'	1	X	X	X										
CS-2 @ 7'			SS	3/1/2022	1250	7'	1	X	X	X										
CS-3 @ 8'			SS	3/1/2022	1230	8'	1	X	X	X										
CS-4 @ 10'			SS	3/1/2022	1310	10'	1	X	X	X										
CS-6 @ 18'			SS	3/1/2022	1335	18'	1	X	X	X										
CS-17 @ 14'			SS	3/1/2022	1410	14'	1	X	X	X										
Total 200.7 / 6010 200.8 / 6020:																				
Circle Method(s) and Metal(s) to be analyzed			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 Ti Sn U V Zn TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg																	
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.																				
Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time															
		3/2/22			2															
		3/2/22			4															
					6															



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Midland TX (432-704-5440) El Paso, TX (915)565-3443 Lubbock, TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa, FL (813-888-8888)

Chain of Custody

Work Order No: 11907

www.xenco.com Page 2 of 2

Project Manager	Jared Stoffel	Bill to (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desta Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone	(432) 238-3003	Email	JStoffel@trccompanies.com, Ike.Tavaraz@conocophillips.com TBabu@trccompanies.com, MMBryan@trccompanies.com

Work Order Comments			
Program: UST/ST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐			
State of Project:			
Reporting Level I ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐			
Deliverables EDD ☐ ADAPT ☐ Other ☐			

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11907-2

Login Number: 11907

List Number: 1

Creator: Teel, Brianna

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11908-1
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/3/2022 3:23:02 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11908-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

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.
α	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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Job ID: 880-11908-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11908-1****Receipt**

The sample was received on 3/2/2022 8:52 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20605 and analytical batch 880-20710 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20680 and analytical batch 880-20697 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Client Sample ID: CS-SW-4 @ 10'

Lab Sample ID: 880-11908-1

Date Collected: 03/01/22 13:05

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/22 16:00	03/02/22 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/02/22 16:00	03/02/22 21:40	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/02/22 16:00	03/02/22 21:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 21:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/02/22 09:10	03/02/22 10:07	1
o-Terphenyl	124		70 - 130	03/02/22 09:10	03/02/22 10:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.6		4.95	mg/Kg			03/03/22 12:44	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

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)
880-11907-A-1-B MS	Matrix Spike	98	106
880-11907-A-1-C MSD	Matrix Spike Duplicate	94	98
880-11908-1	CS-SW-4 @ 10'	88	91
CB MB	Method Blank	51 S1-	99
LCS 880-20605/1-A	Lab Control Sample	101	124
LCSD 880-20605/2-A	Lab Control Sample Dup	97	102
MB 880-20605/5-A	Method Blank	49 S1-	101
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)
880-11908-1	CS-SW-4 @ 10'	117	124
880-11908-1 MS	CS-SW-4 @ 10'	107	105
880-11908-1 MSD	CS-SW-4 @ 10'	93	87
LCS 880-20659/2-A	Lab Control Sample	104	97
LCSD 880-20659/3-A	Lab Control Sample Dup	107	95
MB 880-20659/1-A	Method Blank	101	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130	03/02/22 16:00	03/02/22 20:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/02/22 16:00	03/02/22 20:20	1

Lab Sample ID: LCS 880-20605/1-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1224		mg/Kg		122	70 - 130
Toluene	0.100	0.1044		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2201		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: LCSD 880-20605/2-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	15	35
Toluene	0.100	0.09560		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.09996		mg/Kg		100	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-11907-A-1-B MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.07733		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1	0.101	0.06553	F1	mg/Kg		65	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

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

Lab Sample ID: 880-11907-A-1-B MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.06954	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.101	0.07034		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-11907-A-1-C MSD

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20605

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	0.07748		mg/Kg		77	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.07098		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1454		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07552		mg/Kg		75	70 - 130	7	35

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

Lab Sample ID: CB MB

Matrix: Solid

Analysis Batch: 20710

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/Kg			03/02/22 17:14	1
Toluene	<0.00200	U	0.00200	mg/Kg			03/02/22 17:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg			03/02/22 17:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg			03/02/22 17:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg			03/02/22 17:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg			03/02/22 17:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	51	S1-	70 - 130		03/02/22 17:14	1
1,4-Difluorobenzene (Surr)	99		70 - 130		03/02/22 17:14	1

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

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		03/02/22 08:58	03/02/22 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/02/22 08:58	03/02/22 09:04	1
o-Terphenyl	110		70 - 130			03/02/22 08:58	03/02/22 09:04	1

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.1		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	97		70 - 130				

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	892.2		mg/Kg		89	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-11908-1 MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1050		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	949.8		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	105		70 - 130						

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

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

Lab Sample ID: 880-11908-1 MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

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	998	973.2		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	800.0		mg/Kg		80	70 - 130	17	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	87		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20680/1-A

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			03/03/22 08:33	1

Lab Sample ID: LCS 880-20680/2-A

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	266.3		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-20680/3-A

Matrix: Solid

Analysis Batch: 20697

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	265.9		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-11907-A-7-E MS

Matrix: Solid

Analysis Batch: 20697

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	5.97	F1	249	274.9		mg/Kg		108	90 - 110

Lab Sample ID: 880-11907-A-7-F MSD

Matrix: Solid

Analysis Batch: 20697

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.97	F1	249	283.8	F1	mg/Kg		112	90 - 110	3	20

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

GC VOA

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	5035	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8021B	20605
CB MB	Method Blank	Total/NA	Solid	8021B	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	8021B	20605
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	8021B	20605
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20605
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20605
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20605

Analysis Batch: 20747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015B NM	20659
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20659
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20659
880-11908-1 MS	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659
880-11908-1 MSD	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659

Prep Batch: 20659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11908-1 MS	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-11908-1 MSD	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Soluble	Solid	DI Leach	
MB 880-20680/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20680/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

HPLC/IC (Continued)

Leach Batch: 20680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20680/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11907-A-7-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11907-A-7-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Soluble	Solid	300.0	20680
MB 880-20680/1-A	Method Blank	Soluble	Solid	300.0	20680
LCS 880-20680/2-A	Lab Control Sample	Soluble	Solid	300.0	20680
LCSD 880-20680/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20680
880-11907-A-7-E MS	Matrix Spike	Soluble	Solid	300.0	20680
880-11907-A-7-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20680

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Client Sample ID: CS-SW-4 @ 10'

Date Collected: 03/01/22 13:05

Date Received: 03/02/22 08:52

Lab Sample ID: 880-11908-1

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			5.01 g	5 mL	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 21:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20747	03/02/22 21:54	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20722	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 09:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 10:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20680	03/02/22 10:45	CH	XEN MID
Soluble	Analysis	300.0		1			20697	03/03/22 12:44	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11908-1	CS-SW-4 @ 10'	Solid	03/01/22 13:05	03/02/22 08:52	10'

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



Houston TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 El Paso, TX (915) 565-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 889-3333
Hobbs, NM (575) 392-7560

WOM



880-11908 Chain of Custody

Chain of Custody

Project Manager	Jared Stoffel	Bill to, (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Destia Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone:	(432) 238-3003	Email	JStoffel@trccompanies.com, like Tavarrez@conocophillips.com TTabu@trccompanies.com, MMbryan@trccompanies.com

Work Order Comments			
Program: UST/PST	☐ PRP	☐ Brownfields	☐ RRC ☐ Superfund ☐
State of Project:			
Reporting Level II	☐ Level III	☐ PST/UST	☐ RRP ☐ Level IV ☐
Deliverables EDD	☐	ADAPT	Other

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11908-1

Login Number: 11908

List Number: 1

Creator: Teel, Brianna

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11908-2
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/2/2022 9:03:20 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11908-2

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

GC Semi VOA

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/Site: Battle Axe Water Well

Job ID: 880-11908-2

Job ID: 880-11908-2

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-11908-2

Receipt

The sample was received on 3/2/2022 8:52 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

GC VOA

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

GC Semi VOA

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: Battle Axe Water Well

Job ID: 880-11908-2

Client Sample ID: CS-SW-4 @ 10'

Lab Sample ID: 880-11908-1

Date Collected: 03/01/22 13:05

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 21:40	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		03/02/22 16:00	03/02/22 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	03/02/22 16:00	03/02/22 21:40	1
1,4-Difluorobenzene (Surr)	91		70 - 130	03/02/22 16:00	03/02/22 21:40	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			03/02/22 21:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/02/22 09:10	03/02/22 10:07	1
o-Terphenyl	124		70 - 130	03/02/22 09:10	03/02/22 10:07	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

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)
880-11907-A-1-B MS	Matrix Spike	98	106
880-11907-A-1-C MSD	Matrix Spike Duplicate	94	98
880-11908-1	CS-SW-4 @ 10'	88	91
LCS 880-20605/1-A	Lab Control Sample	101	124
LCSD 880-20605/2-A	Lab Control Sample Dup	97	102
MB 880-20605/5-A	Method Blank	49 S1-	101
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)
880-11908-1	CS-SW-4 @ 10'	117	124
880-11908-1 MS	CS-SW-4 @ 10'	107	105
880-11908-1 MSD	CS-SW-4 @ 10'	93	87
LCS 880-20659/2-A	Lab Control Sample	104	97
LCSD 880-20659/3-A	Lab Control Sample Dup	107	95
MB 880-20659/1-A	Method Blank	101	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		03/02/22 16:00	03/02/22 20:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	49	S1-	70 - 130	03/02/22 16:00	03/02/22 20:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/02/22 16:00	03/02/22 20:20	1

Lab Sample ID: LCS 880-20605/1-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1224		mg/Kg		122	70 - 130
Toluene	0.100	0.1044		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2201		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1072		mg/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: LCSD 880-20605/2-A

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1058		mg/Kg		106	70 - 130	15	35
Toluene	0.100	0.09560		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1004		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2080		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.09996		mg/Kg		100	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-11907-A-1-B MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U	0.101	0.07733		mg/Kg		77	70 - 130
Toluene	<0.00200	U F1	0.101	0.06553	F1	mg/Kg		65	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

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

Lab Sample ID: 880-11907-A-1-B MS

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.06954	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.101	0.07034		mg/Kg		70	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-11907-A-1-C MSD

Matrix: Solid

Analysis Batch: 20710

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20605

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	0.07748		mg/Kg		77	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.07098		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1454		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07552		mg/Kg		75	70 - 130	7	35

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

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	03/02/22 08:58	03/02/22 09:04	1
o-Terphenyl	110		70 - 130	03/02/22 08:58	03/02/22 09:04	1

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.1		mg/Kg		88	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

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

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	892.2		mg/Kg		89	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-11908-1 MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

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	1000	1050		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	949.8		mg/Kg		95	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11908-1 MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

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	998	973.2		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	800.0		mg/Kg		80	70 - 130	17	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	87		70 - 130

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

GC VOA

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	5035	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8021B	20605
MB 880-20605/5-A	Method Blank	Total/NA	Solid	8021B	20605
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	8021B	20605
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20605
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20605
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20605

Analysis Batch: 20747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015B NM	20659
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20659
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20659
880-11908-1 MS	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659
880-11908-1 MSD	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659

Prep Batch: 20659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11908-1 MS	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-11908-1 MSD	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015 NM	

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Client Sample ID: CS-SW-4 @ 10'

Date Collected: 03/01/22 13:05

Date Received: 03/02/22 08:52

Lab Sample ID: 880-11908-1

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			5.01 g	5 mL	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 21:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20747	03/02/22 21:54	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20722	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 09:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 10:07	AJ	XEN MID

Laboratory References:
XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11908-1	CS-SW-4 @ 10'	Solid	03/01/22 13:05	03/02/22 08:52	10'

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



Houston TX (281) 240-4200 Dallas, TX (214) 502-3300 San Antonio TX (210) 509-3334
Midland TX (432-704-5440) El Paso, TX (915)565-3443 Lubbock, TX (806)794-1296
Phoenix, AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813) 988-3333
Hobbs, NM (575-392-7560)

WOM



880-11908 Chain of Custody

Chain of Custody

Project Manager:	Jared Stoffel	Bill to: (if different)	TRC
Company Name	TRC	Company Name	
Address:	10 Desta Dr STE 130 E	Address:	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone:	(432) 228-3003	JStoffel@trccompanies.com like.Tavaraz@conocophillips.com TBabu@trccompanies.com, MM Bryant@trccompanies.com	
		Email	

Work Order Comments									
Program: UST/PST	☐ PRP	☐ Brownfields	☐ hRC	☐ Superfund	☐				
State of Project:									
Reporting Level II	☐	Level III	☐	PST/UST	☐	RPR	☐	Level IV	☐
Deliverables EDD				ADAPT		Other			

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11908-2

Login Number: 11908

List Number: 1

Creator: Teel, Brianna

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11908-2
Client Project/Site: Battle Axe Water Well

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

Attn: Jared Stoffel

Authorized for release by:
3/2/2022 6:27:41 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Laboratory Job ID: 880-11908-2

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Preliminary Data

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Qualifiers

GC Semi VOA

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Job ID: 880-11908-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11908-2

Receipt

The sample was received on 3/2/2022 8:52 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

GC Semi VOA

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

Preliminary Data

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Client Sample ID: CS-SW-4 @ 10'

Lab Sample ID: 880-11908-1

Date Collected: 03/01/22 13:05

Matrix: Solid

Date Received: 03/02/22 08:52

Sample Depth: 10'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/02/22 17:02	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 09:10	03/02/22 10:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	03/02/22 09:10	03/02/22 10:07	1
o-Terphenyl	124		70 - 130	03/02/22 09:10	03/02/22 10:07	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

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)
880-11908-1	CS-SW-4 @ 10'	117	124
880-11908-1 MS	CS-SW-4 @ 10'	107	105
880-11908-1 MSD	CS-SW-4 @ 10'	93	87
LCS 880-20659/2-A	Lab Control Sample	104	97
LCSD 880-20659/3-A	Lab Control Sample Dup	107	95
MB 880-20659/1-A	Method Blank	101	110

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 08:58	03/02/22 09:04	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			03/02/22 08:58	03/02/22 09:04	1
o-Terphenyl	110		70 - 130			03/02/22 08:58	03/02/22 09:04	1

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1064		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	1000	884.1		mg/Kg		88	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	104		70 - 130				
o-Terphenyl	97		70 - 130				

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1088		mg/Kg		109	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	892.2		mg/Kg		89	70 - 130	1	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	107		70 - 130						
o-Terphenyl	95		70 - 130						

Lab Sample ID: 880-11908-1 MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1050		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	949.8		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

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

Lab Sample ID: 880-11908-1 MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11908-1 MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: CS-SW-4 @ 10'

Prep Type: Total/NA

Prep Batch: 20659

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	998	973.2		mg/Kg		96	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	800.0		mg/Kg		80	70 - 130	17	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	87		70 - 130

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

GC Semi VOA

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015B NM	20659
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20659
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20659
880-11908-1 MS	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659
880-11908-1 MSD	CS-SW-4 @ 10'	Total/NA	Solid	8015B NM	20659

Prep Batch: 20659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	
MB 880-20659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11908-1 MS	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	
880-11908-1 MSD	CS-SW-4 @ 10'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11908-1	CS-SW-4 @ 10'	Total/NA	Solid	8015 NM	

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Client Sample ID: CS-SW-4 @ 10'

Lab Sample ID: 880-11908-1

Date Collected: 03/01/22 13:05

Matrix: Solid

Date Received: 03/02/22 08:52

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			20722	03/02/22 17:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20659	03/02/22 09:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20655	03/02/22 10:07	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH

Preliminary Data

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Battle Axe Water Well

Job ID: 880-11908-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11908-1	CS-SW-4 @ 10'	Solid	03/01/22 13:05	03/02/22 08:52	10'

Preliminary Data



Houston TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 El Paso, TX (915) 565-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 355-0900 Atlanta GA (770) 449-8800 Tampa FL (813) 889-3333
Hobbs, NM (575) 392-7560

WOM



880-11908 Chain of Custody

Chain of Custody

Project Manager	Jared Stoffel	Bill to, (if different)	TRC
Company Name	TRC	Company Name	
Address	10 Desia Dr STE 130 E	Address	
City, State ZIP	Midland, TX 79705	City, State ZIP	
Phone:	(432) 238-3003	Email	JStoffel@trccompanies.com, Mike Tavares@conocophillips.com TBabu@trccompanies.com, MM.Bryan@trccompanies.com

Work Order Comments			
Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project:			
Reporting Level I	☐	Level III	☐
PST/UST	☐	RRP	☐
Level IV	☐		
Deliverables	EDD	☐	ADAPT
			Other

[illegible]

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11908-2

Login Number: 11908

List Number: 1

Creator: Teel, Brianna

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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12004-1
Laboratory Sample Delivery Group: Jal, NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/4/2022 3:31:41 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 880-12004-1
SDG: Jal, NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Job ID: 880-12004-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-12004-1

Receipt

The samples were received on 3/3/2022 11:37 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 5.7°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20667 and analytical batch 880-20750 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS-SW-17 @ 12' (880-12004-9). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20804 and analytical batch 880-20846 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-7 @ 18 '

Lab Sample ID: 880-12004-1

Date Collected: 03/02/22 10:00

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 18'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 12:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 12:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 12:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 12:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 12:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/03/22 12:00	03/03/22 12:27	1
1,4-Difluorobenzene (Surr)	95		70 - 130	03/03/22 12:00	03/03/22 12:27	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 22:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 22:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 22:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/03/22 13:42	03/03/22 22:32	1
o-Terphenyl	112		70 - 130	03/03/22 13:42	03/03/22 22:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.9	F1	4.98		mg/Kg			03/04/22 08:55	1

Client Sample ID: CS-10 @ 18 '

Lab Sample ID: 880-12004-2

Date Collected: 03/02/22 10:05

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 18'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 12:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 12:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 12:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/22 12:00	03/03/22 12:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 12:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/22 12:00	03/03/22 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/03/22 12:00	03/03/22 12:47	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-10 @ 18'

Lab Sample ID: 880-12004-2

Date Collected: 03/02/22 10:05

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 18'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	03/03/22 12:00	03/03/22 12:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 23:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 23:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 23:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/03/22 13:42	03/03/22 23:34	1
o-Terphenyl	107		70 - 130				03/03/22 13:42	03/03/22 23:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.7		5.00		mg/Kg			03/04/22 09:13	1

Client Sample ID: CS-11 @ 21'

Lab Sample ID: 880-12004-3

Date Collected: 03/02/22 14:40

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 21'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 13:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	03/03/22 12:00	03/03/22 13:08	1
1,4-Difluorobenzene (Surr)	93		70 - 130	03/03/22 12:00	03/03/22 13:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/04/22 13:00	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-11 @ 21'

Lab Sample ID: 880-12004-3

Date Collected: 03/02/22 14:40

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 21'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/03/22 23:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/03/22 23:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/03/22 23:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/03/22 13:42	03/03/22 23:55	1
o-Terphenyl	106		70 - 130				03/03/22 13:42	03/03/22 23:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		4.99		mg/Kg			03/04/22 09:19	1

Client Sample ID: CS-SW-12 @ 11'

Lab Sample ID: 880-12004-4

Date Collected: 03/02/22 11:30

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 11'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 13:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 13:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				03/03/22 12:00	03/03/22 13:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/03/22 12:00	03/03/22 13:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 00:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 00:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 00:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				03/03/22 13:42	03/04/22 00:17	1
o-Terphenyl	98		70 - 130				03/03/22 13:42	03/04/22 00:17	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-12 @ 11'

Lab Sample ID: 880-12004-4

Date Collected: 03/02/22 11:30

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 11'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	448		5.01		mg/Kg			03/04/22 09:24	1

Client Sample ID: CS-SW-13 @ 10'

Lab Sample ID: 880-12004-5

Date Collected: 03/02/22 11:35

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 10'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 13:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/03/22 12:00	03/03/22 13:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/03/22 12:00	03/03/22 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/03/22 12:00	03/03/22 13:49	1
1,4-Difluorobenzene (Surr)	89		70 - 130				03/03/22 12:00	03/03/22 13:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 00:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 00:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 00:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/03/22 13:42	03/04/22 00:38	1
o-Terphenyl	106		70 - 130				03/03/22 13:42	03/04/22 00:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		4.97		mg/Kg			03/04/22 09:30	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-14 @ 14'

Lab Sample ID: 880-12004-6

Date Collected: 03/02/22 11:40

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 14'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:09	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:09	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:09	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/03/22 12:00	03/03/22 14:09	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:09	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/03/22 12:00	03/03/22 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/03/22 12:00	03/03/22 14:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/03/22 12:00	03/03/22 14:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 00:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 00:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	03/03/22 13:42	03/04/22 00:59	1
o-Terphenyl	112		70 - 130	03/03/22 13:42	03/04/22 00:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461		4.96		mg/Kg			03/04/22 09:48	1

Client Sample ID: CS-SW-15 @ 15.5'

Lab Sample ID: 880-12004-7

Date Collected: 03/02/22 13:40

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 15.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/22 12:00	03/03/22 14:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 14:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/22 12:00	03/03/22 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/03/22 12:00	03/03/22 14:30	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-15 @ 15.5'

Lab Sample ID: 880-12004-7

Date Collected: 03/02/22 13:40

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 15.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	03/03/22 12:00	03/03/22 14:30	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 01:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 01:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 01:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/03/22 13:42	03/04/22 01:20	1
o-Terphenyl	105		70 - 130				03/03/22 13:42	03/04/22 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	506		5.04		mg/Kg			03/04/22 09:54	1

Client Sample ID: CS-SW-16 @ 16'

Lab Sample ID: 880-12004-8

Date Collected: 03/02/22 11:45

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 16'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 16:13	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 16:13	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 16:13	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/03/22 12:00	03/03/22 16:13	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 16:13	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/03/22 12:00	03/03/22 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/03/22 12:00	03/03/22 16:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/03/22 12:00	03/03/22 16:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/04/22 13:00	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-16 @ 16'

Lab Sample ID: 880-12004-8

Date Collected: 03/02/22 11:45

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 16'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 01:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 01:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				03/03/22 13:42	03/04/22 01:42	1
o-Terphenyl	115		70 - 130				03/03/22 13:42	03/04/22 01:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.6		4.98		mg/Kg			03/04/22 10:00	1

Client Sample ID: CS-SW-17 @ 12'

Lab Sample ID: 880-12004-9

Date Collected: 03/02/22 11:50

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 12'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 18:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 18:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 18:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/03/22 12:00	03/03/22 18:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/22 12:00	03/03/22 18:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/03/22 12:00	03/03/22 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				03/03/22 12:00	03/03/22 18:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/03/22 12:00	03/03/22 18:57	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 02:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 02:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/03/22 13:42	03/04/22 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130				03/03/22 13:42	03/04/22 02:02	1
o-Terphenyl	128		70 - 130				03/03/22 13:42	03/04/22 02:02	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-17 @ 12'

Lab Sample ID: 880-12004-9

Date Collected: 03/02/22 11:50

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 12'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.9		5.00		mg/Kg			03/04/22 10:06	1

Client Sample ID: CS-SW-18 @ 13'

Lab Sample ID: 880-12004-10

Date Collected: 03/02/22 11:55

Matrix: Solid

Date Received: 03/03/22 11:37

Sample Depth: 13'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 19:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 19:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 19:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/03/22 12:00	03/03/22 19:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/03/22 12:00	03/03/22 19:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/03/22 12:00	03/03/22 19:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/03/22 12:00	03/03/22 19:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				03/03/22 12:00	03/03/22 19:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/03/22 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/04/22 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 02:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 02:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/04/22 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/03/22 13:42	03/04/22 02:23	1
o-Terphenyl	114		70 - 130				03/03/22 13:42	03/04/22 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		4.98		mg/Kg			03/04/22 10:12	1

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Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, 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)
880-11938-A-1-B MS	Matrix Spike	103	98
880-11938-A-1-C MSD	Matrix Spike Duplicate	101	99
880-12004-1	CS-7 @ 18'	106	95
880-12004-2	CS-10 @ 18'	106	94
880-12004-3	CS-11 @ 21'	110	93
880-12004-4	CS-SW-12 @ 11'	101	98
880-12004-5	CS-SW-13 @ 10'	105	89
880-12004-6	CS-SW-14 @ 14'	101	97
880-12004-7	CS-SW-15 @ 15.5'	106	98
880-12004-8	CS-SW-16 @ 16'	104	98
880-12004-9	CS-SW-17 @ 12'	103	98
880-12004-10	CS-SW-18 @ 13'	107	98
LCS 880-20667/1-A	Lab Control Sample	97	99
LCSD 880-20667/2-A	Lab Control Sample Dup	98	101
MB 880-20667/5-A	Method Blank	112	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)
880-12004-1	CS-7 @ 18'	110	112
880-12004-1 MS	CS-7 @ 18'	102	104
880-12004-1 MSD	CS-7 @ 18'	102	104
880-12004-2	CS-10 @ 18'	109	107
880-12004-3	CS-11 @ 21'	109	106
880-12004-4	CS-SW-12 @ 11'	102	98
880-12004-5	CS-SW-13 @ 10'	107	106
880-12004-6	CS-SW-14 @ 14'	114	112
880-12004-7	CS-SW-15 @ 15.5'	109	105
880-12004-8	CS-SW-16 @ 16'	118	115
880-12004-9	CS-SW-17 @ 12'	134 S1+	128
880-12004-10	CS-SW-18 @ 13'	116	114
LCS 880-20819/2-A	Lab Control Sample	120	118
LCSD 880-20819/3-A	Lab Control Sample Dup	110	104
MB 880-20819/1-A	Method Blank	107	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20667/5-A

Matrix: Solid

Analysis Batch: 20750

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20667

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/03/22 07:30	03/03/22 10:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/03/22 07:30	03/03/22 10:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/03/22 07:30	03/03/22 10:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/03/22 07:30	03/03/22 10:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/03/22 07:30	03/03/22 10:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/03/22 07:30	03/03/22 10:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	03/03/22 07:30	03/03/22 10:39	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/03/22 07:30	03/03/22 10:39	1

Lab Sample ID: LCS 880-20667/1-A

Matrix: Solid

Analysis Batch: 20750

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09794		mg/Kg		98	70 - 130
Toluene	0.100	0.09626		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09736		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.2017		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09868		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-20667/2-A

Matrix: Solid

Analysis Batch: 20750

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09588		mg/Kg		96	70 - 130	2	35
Toluene	0.100	0.09391		mg/Kg		94	70 - 130	2	35
Ethylbenzene	0.100	0.09485		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1951		mg/Kg		98	70 - 130	3	35
o-Xylene	0.100	0.09488		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-11938-A-1-B MS

Matrix: Solid

Analysis Batch: 20750

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1 F2	0.0990	0.02505	F1	mg/Kg		25	70 - 130
Toluene	<0.00200	U F1 F2	0.0990	0.02033	F1	mg/Kg		20	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

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

Lab Sample ID: 880-11938-A-1-B MS

Matrix: Solid

Analysis Batch: 20750

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1 F2	0.0990	0.01596	F1	mg/Kg		16	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.198	0.03244	F1	mg/Kg		16	70 - 130
o-Xylene	<0.00200	U F1 F2	0.0990	0.01647	F1	mg/Kg		17	70 - 130

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

Lab Sample ID: 880-11938-A-1-C MSD

Matrix: Solid

Analysis Batch: 20750

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U F1 F2	0.0992	0.07503	F2	mg/Kg		76	70 - 130	100	35
Toluene	<0.00200	U F1 F2	0.0992	0.06607	F2 F1	mg/Kg		66	70 - 130	106	35
Ethylbenzene	<0.00200	U F1 F2	0.0992	0.05623	F2 F1	mg/Kg		57	70 - 130	112	35
m-Xylene & p-Xylene	<0.00400	U F1 F2	0.198	0.1136	F2 F1	mg/Kg		57	70 - 130	111	35
o-Xylene	<0.00200	U F1 F2	0.0992	0.05709	F2 F1	mg/Kg		58	70 - 130	110	35

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

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

Lab Sample ID: MB 880-20819/1-A

Matrix: Solid

Analysis Batch: 20779

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20819

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 21:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 21:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/03/22 13:42	03/03/22 21:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/03/22 13:42	03/03/22 21:29	1
o-Terphenyl	110		70 - 130	03/03/22 13:42	03/03/22 21:29	1

Lab Sample ID: LCS 880-20819/2-A

Matrix: Solid

Analysis Batch: 20779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20819

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1119		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	952.3		mg/Kg		95	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

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

Lab Sample ID: LCS 880-20819/2-A

Matrix: Solid

Analysis Batch: 20779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20819

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-20819/3-A

Matrix: Solid

Analysis Batch: 20779

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20819

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1097		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	973.4		mg/Kg		97	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-12004-1 MS

Matrix: Solid

Analysis Batch: 20779

Client Sample ID: CS-7 @ 18 '

Prep Type: Total/NA

Prep Batch: 20819

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1130		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	948.3		mg/Kg		93	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-12004-1 MSD

Matrix: Solid

Analysis Batch: 20779

Client Sample ID: CS-7 @ 18 '

Prep Type: Total/NA

Prep Batch: 20819

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	998	1175		mg/Kg		115	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	954.1		mg/Kg		93	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	104		70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20804/1-A

Matrix: Solid

Analysis Batch: 20846

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/04/22 08:37	1

Lab Sample ID: LCS 880-20804/2-A

Matrix: Solid

Analysis Batch: 20846

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	260.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-20804/3-A

Matrix: Solid

Analysis Batch: 20846

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	265.7		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-12004-1 MS

Matrix: Solid

Analysis Batch: 20846

Client Sample ID: CS-7 @ 18 '

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	49.9	F1	249	266.2	F1	mg/Kg		87	90 - 110

Lab Sample ID: 880-12004-1 MSD

Matrix: Solid

Analysis Batch: 20846

Client Sample ID: CS-7 @ 18 '

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	49.9	F1	249	294.4		mg/Kg		98	90 - 110	10	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

GC VOA

Prep Batch: 20667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Total/NA	Solid	5035	
880-12004-2	CS-10 @ 18'	Total/NA	Solid	5035	
880-12004-3	CS-11 @ 21'	Total/NA	Solid	5035	
880-12004-4	CS-SW-12 @ 11'	Total/NA	Solid	5035	
880-12004-5	CS-SW-13 @ 10'	Total/NA	Solid	5035	
880-12004-6	CS-SW-14 @ 14'	Total/NA	Solid	5035	
880-12004-7	CS-SW-15 @ 15.5'	Total/NA	Solid	5035	
880-12004-8	CS-SW-16 @ 16'	Total/NA	Solid	5035	
880-12004-9	CS-SW-17 @ 12'	Total/NA	Solid	5035	
880-12004-10	CS-SW-18 @ 13'	Total/NA	Solid	5035	
MB 880-20667/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20667/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20667/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11938-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11938-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Total/NA	Solid	8021B	20667
880-12004-2	CS-10 @ 18'	Total/NA	Solid	8021B	20667
880-12004-3	CS-11 @ 21'	Total/NA	Solid	8021B	20667
880-12004-4	CS-SW-12 @ 11'	Total/NA	Solid	8021B	20667
880-12004-5	CS-SW-13 @ 10'	Total/NA	Solid	8021B	20667
880-12004-6	CS-SW-14 @ 14'	Total/NA	Solid	8021B	20667
880-12004-7	CS-SW-15 @ 15.5'	Total/NA	Solid	8021B	20667
880-12004-8	CS-SW-16 @ 16'	Total/NA	Solid	8021B	20667
880-12004-9	CS-SW-17 @ 12'	Total/NA	Solid	8021B	20667
880-12004-10	CS-SW-18 @ 13'	Total/NA	Solid	8021B	20667
MB 880-20667/5-A	Method Blank	Total/NA	Solid	8021B	20667
LCS 880-20667/1-A	Lab Control Sample	Total/NA	Solid	8021B	20667
LCSD 880-20667/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20667
880-11938-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20667
880-11938-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20667

Analysis Batch: 20830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Total/NA	Solid	Total BTEX	
880-12004-2	CS-10 @ 18'	Total/NA	Solid	Total BTEX	
880-12004-3	CS-11 @ 21'	Total/NA	Solid	Total BTEX	
880-12004-4	CS-SW-12 @ 11'	Total/NA	Solid	Total BTEX	
880-12004-5	CS-SW-13 @ 10'	Total/NA	Solid	Total BTEX	
880-12004-6	CS-SW-14 @ 14'	Total/NA	Solid	Total BTEX	
880-12004-7	CS-SW-15 @ 15.5'	Total/NA	Solid	Total BTEX	
880-12004-8	CS-SW-16 @ 16'	Total/NA	Solid	Total BTEX	
880-12004-9	CS-SW-17 @ 12'	Total/NA	Solid	Total BTEX	
880-12004-10	CS-SW-18 @ 13'	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

GC Semi VOA

Analysis Batch: 20779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Total/NA	Solid	8015B NM	20819
880-12004-2	CS-10 @ 18'	Total/NA	Solid	8015B NM	20819
880-12004-3	CS-11 @ 21'	Total/NA	Solid	8015B NM	20819
880-12004-4	CS-SW-12 @ 11'	Total/NA	Solid	8015B NM	20819
880-12004-5	CS-SW-13 @ 10'	Total/NA	Solid	8015B NM	20819
880-12004-6	CS-SW-14 @ 14'	Total/NA	Solid	8015B NM	20819
880-12004-7	CS-SW-15 @ 15.5'	Total/NA	Solid	8015B NM	20819
880-12004-8	CS-SW-16 @ 16'	Total/NA	Solid	8015B NM	20819
880-12004-9	CS-SW-17 @ 12'	Total/NA	Solid	8015B NM	20819
880-12004-10	CS-SW-18 @ 13'	Total/NA	Solid	8015B NM	20819
MB 880-20819/1-A	Method Blank	Total/NA	Solid	8015B NM	20819
LCS 880-20819/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20819
LCSD 880-20819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20819
880-12004-1 MS	CS-7 @ 18'	Total/NA	Solid	8015B NM	20819
880-12004-1 MSD	CS-7 @ 18'	Total/NA	Solid	8015B NM	20819

Prep Batch: 20819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Total/NA	Solid	8015NM Prep	
880-12004-2	CS-10 @ 18'	Total/NA	Solid	8015NM Prep	
880-12004-3	CS-11 @ 21'	Total/NA	Solid	8015NM Prep	
880-12004-4	CS-SW-12 @ 11'	Total/NA	Solid	8015NM Prep	
880-12004-5	CS-SW-13 @ 10'	Total/NA	Solid	8015NM Prep	
880-12004-6	CS-SW-14 @ 14'	Total/NA	Solid	8015NM Prep	
880-12004-7	CS-SW-15 @ 15.5'	Total/NA	Solid	8015NM Prep	
880-12004-8	CS-SW-16 @ 16'	Total/NA	Solid	8015NM Prep	
880-12004-9	CS-SW-17 @ 12'	Total/NA	Solid	8015NM Prep	
880-12004-10	CS-SW-18 @ 13'	Total/NA	Solid	8015NM Prep	
MB 880-20819/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20819/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20819/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12004-1 MS	CS-7 @ 18'	Total/NA	Solid	8015NM Prep	
880-12004-1 MSD	CS-7 @ 18'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Total/NA	Solid	8015 NM	
880-12004-2	CS-10 @ 18'	Total/NA	Solid	8015 NM	
880-12004-3	CS-11 @ 21'	Total/NA	Solid	8015 NM	
880-12004-4	CS-SW-12 @ 11'	Total/NA	Solid	8015 NM	
880-12004-5	CS-SW-13 @ 10'	Total/NA	Solid	8015 NM	
880-12004-6	CS-SW-14 @ 14'	Total/NA	Solid	8015 NM	
880-12004-7	CS-SW-15 @ 15.5'	Total/NA	Solid	8015 NM	
880-12004-8	CS-SW-16 @ 16'	Total/NA	Solid	8015 NM	
880-12004-9	CS-SW-17 @ 12'	Total/NA	Solid	8015 NM	
880-12004-10	CS-SW-18 @ 13'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

HPLC/IC

Leach Batch: 20804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Soluble	Solid	DI Leach	
880-12004-2	CS-10 @ 18'	Soluble	Solid	DI Leach	
880-12004-3	CS-11 @ 21'	Soluble	Solid	DI Leach	
880-12004-4	CS-SW-12 @ 11'	Soluble	Solid	DI Leach	
880-12004-5	CS-SW-13 @ 10'	Soluble	Solid	DI Leach	
880-12004-6	CS-SW-14 @ 14'	Soluble	Solid	DI Leach	
880-12004-7	CS-SW-15 @ 15.5'	Soluble	Solid	DI Leach	
880-12004-8	CS-SW-16 @ 16'	Soluble	Solid	DI Leach	
880-12004-9	CS-SW-17 @ 12'	Soluble	Solid	DI Leach	
880-12004-10	CS-SW-18 @ 13'	Soluble	Solid	DI Leach	
MB 880-20804/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20804/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20804/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12004-1 MS	CS-7 @ 18'	Soluble	Solid	DI Leach	
880-12004-1 MSD	CS-7 @ 18'	Soluble	Solid	DI Leach	

Analysis Batch: 20846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12004-1	CS-7 @ 18'	Soluble	Solid	300.0	20804
880-12004-2	CS-10 @ 18'	Soluble	Solid	300.0	20804
880-12004-3	CS-11 @ 21'	Soluble	Solid	300.0	20804
880-12004-4	CS-SW-12 @ 11'	Soluble	Solid	300.0	20804
880-12004-5	CS-SW-13 @ 10'	Soluble	Solid	300.0	20804
880-12004-6	CS-SW-14 @ 14'	Soluble	Solid	300.0	20804
880-12004-7	CS-SW-15 @ 15.5'	Soluble	Solid	300.0	20804
880-12004-8	CS-SW-16 @ 16'	Soluble	Solid	300.0	20804
880-12004-9	CS-SW-17 @ 12'	Soluble	Solid	300.0	20804
880-12004-10	CS-SW-18 @ 13'	Soluble	Solid	300.0	20804
MB 880-20804/1-A	Method Blank	Soluble	Solid	300.0	20804
LCS 880-20804/2-A	Lab Control Sample	Soluble	Solid	300.0	20804
LCSD 880-20804/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20804
880-12004-1 MS	CS-7 @ 18'	Soluble	Solid	300.0	20804
880-12004-1 MSD	CS-7 @ 18'	Soluble	Solid	300.0	20804

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-7 @ 18 '

Lab Sample ID: 880-12004-1

Date Collected: 03/02/22 10:00

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 12:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/03/22 22:32	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 08:55	CH	XEN MID

Client Sample ID: CS-10 @ 18 '

Lab Sample ID: 880-12004-2

Date Collected: 03/02/22 10:05

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 12:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/03/22 23:34	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 09:13	CH	XEN MID

Client Sample ID: CS-11 @ 21'

Lab Sample ID: 880-12004-3

Date Collected: 03/02/22 14:40

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 13:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/03/22 23:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 09:19	CH	XEN MID

Client Sample ID: CS-SW-12 @ 11'

Lab Sample ID: 880-12004-4

Date Collected: 03/02/22 11:30

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 13:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-12 @ 11'

Lab Sample ID: 880-12004-4

Date Collected: 03/02/22 11:30

Matrix: Solid

Date Received: 03/03/22 11:37

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			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 00:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 09:24	CH	XEN MID

Client Sample ID: CS-SW-13 @ 10'

Lab Sample ID: 880-12004-5

Date Collected: 03/02/22 11:35

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 13:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 00:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 09:30	CH	XEN MID

Client Sample ID: CS-SW-14 @ 14'

Lab Sample ID: 880-12004-6

Date Collected: 03/02/22 11:40

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 14:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 00:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 09:48	CH	XEN MID

Client Sample ID: CS-SW-15 @ 15.5'

Lab Sample ID: 880-12004-7

Date Collected: 03/02/22 13:40

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 14:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 01:20	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Client Sample ID: CS-SW-15 @ 15.5'

Lab Sample ID: 880-12004-7

Date Collected: 03/02/22 13:40

Matrix: Solid

Date Received: 03/03/22 11:37

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	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 09:54	CH	XEN MID

Client Sample ID: CS-SW-16 @ 16'

Lab Sample ID: 880-12004-8

Date Collected: 03/02/22 11:45

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 16:13	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 01:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 10:00	CH	XEN MID

Client Sample ID: CS-SW-17 @ 12'

Lab Sample ID: 880-12004-9

Date Collected: 03/02/22 11:50

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 18:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 02:02	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 10:06	CH	XEN MID

Client Sample ID: CS-SW-18 @ 13'

Lab Sample ID: 880-12004-10

Date Collected: 03/02/22 11:55

Matrix: Solid

Date Received: 03/03/22 11:37

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 19:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20830	03/03/22 15:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20910	03/04/22 13:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20819	03/03/22 13:42	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20779	03/04/22 02:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20804	03/03/22 11:59	CH	XEN MID
Soluble	Analysis	300.0		1			20846	03/04/22 10:12	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Laboratory References:
XEN 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: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12004-1
SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12004-1	CS-7 @ 18'	Solid	03/02/22 10:00	03/03/22 11:37	18'
880-12004-2	CS-10 @ 18'	Solid	03/02/22 10:05	03/03/22 11:37	18'
880-12004-3	CS-11 @ 21'	Solid	03/02/22 14:40	03/03/22 11:37	21'
880-12004-4	CS-SW-12 @ 11'	Solid	03/02/22 11:30	03/03/22 11:37	11'
880-12004-5	CS-SW-13 @ 10'	Solid	03/02/22 11:35	03/03/22 11:37	10'
880-12004-6	CS-SW-14 @ 14'	Solid	03/02/22 11:40	03/03/22 11:37	14'
880-12004-7	CS-SW-15 @ 15.5'	Solid	03/02/22 13:40	03/03/22 11:37	15.5'
880-12004-8	CS-SW-16 @ 16'	Solid	03/02/22 11:45	03/03/22 11:37	16'
880-12004-9	CS-SW-17 @ 12'	Solid	03/02/22 11:50	03/03/22 11:37	12'
880-12004-10	CS-SW-18 @ 13'	Solid	03/02/22 11:55	03/03/22 11:37	13'



Environment Testing

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

Chain of Custody

Work Order No: 12004

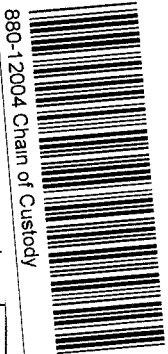
www.xenco.com Page 1 of 1

Project Manager	Jared Stoppel	Bill to: (if different)	
Company Name	TRC Companies	Company Name	
Address	10 Delta Dr SE B01	Address	
City/State/Zip	Midland, TX 79705	City/State/Zip	
Phone	432-238-3003	Email	Jared.Mish@TRC.com

Work Order Comments			
Program	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐		
State of Project	NM		
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐			
Deliverables	EDD ☐ ADAPT ☐ Other		

Project Name	Cap Battle ARE	Tum Around	☐ Routine ☒ Rush	Pres. Code	
Project Number	701, NM	Due Date			
Project Location	Mish, Bryant	TAT starts the day received by the lab, if received by 4:30pm			
Sample Name					
PO #					
SAMPLE RECEIPT	Temp Blank: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No			
Samples Received Intact	☒ Yes ☒ No	Thermometer ID			
Cooler Custody Seals	☒ Yes ☒ No	Correction Factor			
Sample Custody Seals	☒ Yes ☒ No	Temperature Reading			
Total Containers		Corrected Temperature			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
CS-7 @ 18'	SS	3/2/22	1000	18'	C	1	TPA 8015M		None NO DI Water H ₂ O
CS-10 @ 18'			1005	18'			BTEX 80213		Cool Cool MeOH Me
CS-11 @ 21'			1440	21'			Chloride		HCL, HC HNO ₃ HN
CS-50-13 @ 11'			1130	11'					H ₂ SO ₄ H ₂
CS-50-13 @ 10'			1135	10'					H ₃ PO ₄ HP
CS-50-14 @ 14'			1140	14'					NaHSO ₄ NABIS
CS-50-15 @ 15.5'			1340	15.5'					Na ₂ S ₂ O ₃ NASO ₃
CS-50-16 @ 16'			1145	16'					Zn Acetate+NaOH Zn
CS-50-17 @ 12'			1150	12'					NaOH+Ascorbic Acid SAPC
CS-50-18 @ 13'			1155	13'					



880-12004 Chain of Custody

Total 200.7 / 6010 2008 / 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 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 / 2451 / 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
Mish Bryant	Jared Stoppel	3/3/22	Jared Stoppel	Jared Stoppel	3/3/22

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-12004-1

SDG Number: Jal, NM

Login Number: 12004**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12213-1
Laboratory Sample Delivery Group: Jal, NM
Client Project/Site: COP Battle Axe

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/9/2022 8:42:34 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

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

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Laboratory Job ID: 880-12213-1
SDG: Jal, NM

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Qualifiers

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Job ID: 880-12213-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-12213-1

Receipt

The sample was received on 3/9/2022 8:04 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

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: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Client Sample ID: CS-14a @14.5'
Date Collected: 03/04/22 10:00
Date Received: 03/09/22 08:04
Sample Depth: 14.5'

Lab Sample ID: 880-12213-1
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	21.9		4.99	mg/Kg			03/09/22 13:15	1	

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21192/1-A

Matrix: Solid

Analysis Batch: 21206

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			03/09/22 12:39	1

Lab Sample ID: LCS 880-21192/2-A

Matrix: Solid

Analysis Batch: 21206

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	261.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-21192/3-A

Matrix: Solid

Analysis Batch: 21206

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	261.3		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-12213-1 MS

Matrix: Solid

Analysis Batch: 21206

Client Sample ID: CS-14a @14.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.9		250	268.5		mg/Kg		99	90 - 110

Lab Sample ID: 880-12213-1 MSD

Matrix: Solid

Analysis Batch: 21206

Client Sample ID: CS-14a @14.5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.9		250	266.8		mg/Kg		98	90 - 110	1	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

HPLC/IC

Leach Batch: 21192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12213-1	CS-14a @14.5'	Soluble	Solid	DI Leach	
MB 880-21192/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21192/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21192/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12213-1 MS	CS-14a @14.5'	Soluble	Solid	DI Leach	
880-12213-1 MSD	CS-14a @14.5'	Soluble	Solid	DI Leach	

Analysis Batch: 21206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12213-1	CS-14a @14.5'	Soluble	Solid	300.0	21192
MB 880-21192/1-A	Method Blank	Soluble	Solid	300.0	21192
LCS 880-21192/2-A	Lab Control Sample	Soluble	Solid	300.0	21192
LCSD 880-21192/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21192
880-12213-1 MS	CS-14a @14.5'	Soluble	Solid	300.0	21192
880-12213-1 MSD	CS-14a @14.5'	Soluble	Solid	300.0	21192

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Client Sample ID: CS-14a @14.5'
Date Collected: 03/04/22 10:00
Date Received: 03/09/22 08:04

Lab Sample ID: 880-12213-1
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			5.01 g	50 mL	21192	03/09/22 09:34	SC	XEN MID
Soluble	Analysis	300.0		1			21206	03/09/22 13:15	SC	XEN MID

Laboratory References:
XEN 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: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

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

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Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Battle Axe

Job ID: 880-12213-1
SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12213-1	CS-14a @14.5'	Solid	03/04/22 10:00	03/09/22 08:04	14.5'

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Environment Testing

Houston, TX (281) 240-4200 Dallas TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3333
El Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550 Carlsbad NM (575) 988-3199

Chain of Custody

Work Order No: 12215

www.xenco.com Page 1 of 3

Project Manager	Jared Stoffel	Bill to: (if different)	TRC
Company Name	TRC	Company Name	
Address:	10 DeSoto Dr STE 130E	Address:	
City, State ZIP	Midland TX 79705	City, State ZIP	
Phone	932 238 3003	Email	Mish, Jared, Ike

Work Order Comments										
Program:	UST/PST	☐	PPP	☐	Brownfields	☐	RRC	☐	Superfund	☐
State of Project:	<i>MM</i>									
Reporting Level II	☐	Level III	☐	PST/UST	☐	TRRP	☐	Level IV	☐	
Deliverables:	EDD	☐	ADAPT	☐	Other					

Project Name:						CAR Battery A-7E							
Project Number:													
Project Location:						TAINM							
Sampler's Name:						Missy Rogers							
PO #:													
SAMPLE RECEIPT						Temp Blank:		Yes No		Wet Ice:		Yes No	
						Samples Received Intact:		Yes No		Thermometer ID:		IHS	
Cooler Custody Seals:						Yes No N/A		Correction Factor:		-			
Sample Custody Seal:						Yes No N/A		Temperature Reading:		5.2			
Total Containers:								Corrected Temperature:		5.1			
Parameters										Pres. Code			
ANALYSIS REQUEST													
Preservative Codes													
None NO DI Water H ₂ O MeOH Me HNO ₃ HN NaOH Na													
Cool Cool HCL HC H ₂ SO ₄ H ₂ H ₃ PO ₄ HP NaHSO ₄ NABIS Na ₂ S ₂ O ₃ NaSO ₃ Zn Acetate+NaOH Zn NaOH+Ascorbic Acid SAPC													

[illegible]

880-12213 Chain of Custody

Total 2007 / 6010	2008 / 6020:	
Circle Method(s) and Metal(s) to be analyzed		
	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
	TCLP / SPLP 6010	8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U
		Hg 1631 / 2451 / 7470 / 7471

Notwithstanding to whomsoever the responsibility for the results of the analyses is assigned, the client shall be responsible for the costs 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 		2/1/22	2		
3 		2/1/22	4		
5			6		

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-12213-1

SDG Number: Jal, NM

Login Number: 12213**List Number: 1****Creator: Rodriguez, Leticia****List Source: Eurofins Midland**

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 115496

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 115496
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/13/2022