TETRA TECH

March 2, 2022

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

Re: Release Characterization and Remediation Work Plan
ConocoPhillips
EVGSAU 2963-002 Wellhead Release
Unit Letter N, Section 29, Township 17 South, Range 35 East
Lea County, New Mexico
Incident ID NRM2014565278

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred at the East Vacuum Grayburg San Andres (EVGSAU) 2963-002 Wellhead. Site is located in Public Land Survey System (PLSS) Unit Letters N, Section 29, Township 17 South, and Range 35 East, Lea County, New Mexico. The coordinates of the release point are approximately 32.800575°, -103.482089°, as shown in Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), the release was discovered on May 9, 2020. The release occurred as the result of equipment failure, specifically corrosion on a rod blowout preventer (BOP). Approximately 54 barrels (bbls) of produced water were reported released, of which none were recovered. The spill calculator submitted along with the C-141 documented that 3,195 square feet of area were impacted. The New Mexico Oil Conservation Division (NMOCD) received the initial C-141 report form for the release on May 21, 2020. The NMOCD Incident ID for this release is NRM2014565278.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC).

Approximately 200 feet (ft) northeast of the EVGSAU 2963-002 wellhead, a topographic surface depression (approximately 1.9 acres in size) was noted in aerial imagery; however, this area is not reported as being a playa lake on the NMOCD Oil and Gas Map website. The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there is one (1) water well within ½ mile (800 meters) of the Site with depth to groundwater at 90 feet below ground surface (bgs). The site characterization data is included in Appendix B.

For this release, as the available water level information was from a well older than 25 years old, COP elected to use a nearby boring drilled to depth for groundwater verification as a part of another project. As part of a response at the EVGSAU 3326-004 release (incident ID nAPP2100449115), on August 25, 2021, a licensed well drilling subcontractor was onsite to drill a groundwater determination borehole to 55 feet

Tetra Tech
901 West Wall St., Suite 100, Midland, TX 79701
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

bgs. The borehole was located within a ½ mile radius of the EVGSAU 2963-002 wellhead release footprint. The borehole was dry upon completion, and soils were dry from surface to total depth. The depth to groundwater in the area was thus verified as greater than 55 feet bgs. The borehole was plugged with 3/8" bentonite chips on August 25, 2021. The borehole coordinates are 32.793424°, -103.482099°. The boring log (DTGW-1) is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	10,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH	100 mg/kg
BTEX	50 mg/kg

INITIAL RESPONSE

In accordance with 19.15.29.8. B. (4) NMAC that states "the responsible party may commence remediation immediately after discovery of a release", COP elected to begin remediation of the impacted area at some point following discovery of the release. An area of visibly impacted material within the release footprint, extending from the pumping unit north approximately 70 feet, was excavated and disposed of at an approved waste management facility. The excavated area is approximately 75 feet wide, measuring east to west. The entire excavated area encompasses approximately 2,750 square feet and ranges in depth from 1 to 3 ft bgs. Figure 3 depicts the release extent and the excavated area from the initial response activities.

SITE VISIT

A Tetra Tech scientist, John Myler, was onsite May 5, 2021 to assess current site conditions and take photographs of the impacted area. During the site visit, excavated areas corresponding with the initial response activities were observed. Additionally, a small, excavated area (185 square feet) was observed just south of the pumping unit, and excavation depth was approximately 6 inches bgs to 1 ft bgs. Visually impacted soils were noted outside of the excavated areas in proximity of the pumping unit and wellhead. The release extent observed in the field is depicted in Figure 3. Photographic documentation from the site visit is included in Appendix D. Standing water was observed from recent rains in one of the previously excavated areas.

SITE ASSESSMENT

In order to achieve horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted soil sampling on August 23, 2021, on behalf of ConocoPhillips. A total of ten (10) borings (BH-1 through

BH-10) were installed with a truck-mounted air rotary drilling rig. A total of forty-four (44) soils samples were collected from the ten (10) locations within and surrounding the release extent. These soil samples were sent to Pace Analytical (Pace), to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Results from the August 2021 soil sampling event are summarized in Table 1. Boring locations are provided in Figure 4. Copies of the analytical laboratory reports and chain-of-custody documentation are included in Appendix C. Soil boring logs are included in Appendix E.

INITIAL SUMMARY OF ANALYTICAL RESULTS

All analytical results were below the proposed RRALs for chloride, TPH and BTEX for on-pad borings BH-3, BH-4, BH-5, BH-7, BH-8 and BH-9. The analytical results associated with off-pad locations BH-1, BH-2 and BH-10 boring locations exceeded the reclamation requirement for TPH (100 mg/kg) in the upper four feet. There were no other analytical results which exceeded the TPH Site reclamation requirement (100 mg/kg) during this assessment. Vertical delineation was achieved during this assessment. Horizontal delineation was not achieved during this initial assessment.

ADDITIONAL DELINEATION

Due to the analytical results exceeding the reclamation requirements at boring locations BH-1, BH-2, and BH-10, Tetra Tech returned to the Site in September 2021 and January 2022 to complete horizontal delineation of the release extent. Eight (8) hand auger borings were completed to 1 ft bgs outside the NRM2014565278 release footprint to attempt to provide horizontal delineation (AH-1 through AH-8). A total of eight (8) samples were submitted to Pace and analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 300.0. Boring locations are shown in Figure 4. Copies of the analytical laboratory reports and chain-of-custody documentation are included in Appendix C.

Analytical results associated with boring locations AH-3 through AH-8 exceeded the Site reclamation requirement for TPH in the 0-1' interval. As the off-pad areas were vegetated, these off-pad impacts are likely unrelated to the NRM2014565278 wellhead release.

Nonetheless, to complete and confirm delineation, Tetra Tech personnel again returned to the Site on February 1, 2022, to install three (3) additional hand auger borings to 2' bgs (AH-9 to the northwest, AH-10 to the north and AH-11 to the northeast). A total of six (6) samples were submitted to Cardinal Laboratories in Hobbs, New Mexico, and again analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 4500. Boring locations are shown in Figure 4. Copies of the analytical laboratory reports and chain-of-custody documentation are included in Appendix C.

SUMMARY OF ANALYTICAL RESULTS FROM ADDITIONAL DELINEATION

Results from the September 2021, January 2021, and February 2022 sampling events are summarized in Table 1. All analytical results from perimeter borings AH-9, AH-10 and AH-11 were below the proposed reclamation requirements for chloride, TPH and BTEX. The final iteration of step-out borings successfully delineated horizontal impacts to the northwest, north and northeast. Therefore, the release is fully delineated following the February 2022 sampling activities. Photographic documentation of the Site assessment is included as Appendix D.

REMEDIATION WORK PLAN

Based on the analytical results, ConocoPhillips proposes to remove the remaining off-pad impacted material as shown in Figure 5. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRALs. Any area containing pressurized lines will be hand-dug to a maximum depth of 4 feet or the maximum extent practicable and heavy

equipment will come no more than 3 ft from any pressurized lines. Open excavations within the lease pad extents will be backfilled with caliche or similar base material.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation bottom and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chlorides. Once results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 213 cubic yards.

ALTERNATIVE CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips proposes the following alternative confirmation sampling plan to adhere with NMOCD requirements. The proposed confirmation sample locations are depicted in Figure 6. Eleven (11) confirmation floor samples and nineteen (19) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 5,742 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 500 square feet of excavated area. Confirmation samples will be sent to an accredited laboratory for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (USEPA Method 300.0). Once results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade.

SITE RECLAMATION AND RESTORATION PLAN

The backfilled pasture areas will be seeded in the first favorable growing season to aid in revegetation. Based on the soils at the site as determined by borings and the USDA Web Soil Survey, the New Mexico State Land Office (NMSLO) Loamy (L) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix F.

CONCLUSION

ConocoPhillips proposes to begin remediation activities at the Site within 120 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD.

If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.

Nicholas M. Poole
Project Lead

Christian M. Llull, P.G.
Program Manager

cc:
Mr. Sam Widmer, RMR – ConocoPhillips
Mr. Charles Beauvais, GPBU - ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent and Initial Excavation Map
Figure 4 – Release Assessment Map
Figure 5 – Proposed Remediation Extents
Figure 6 – Alternative Confirmation Sampling Plan

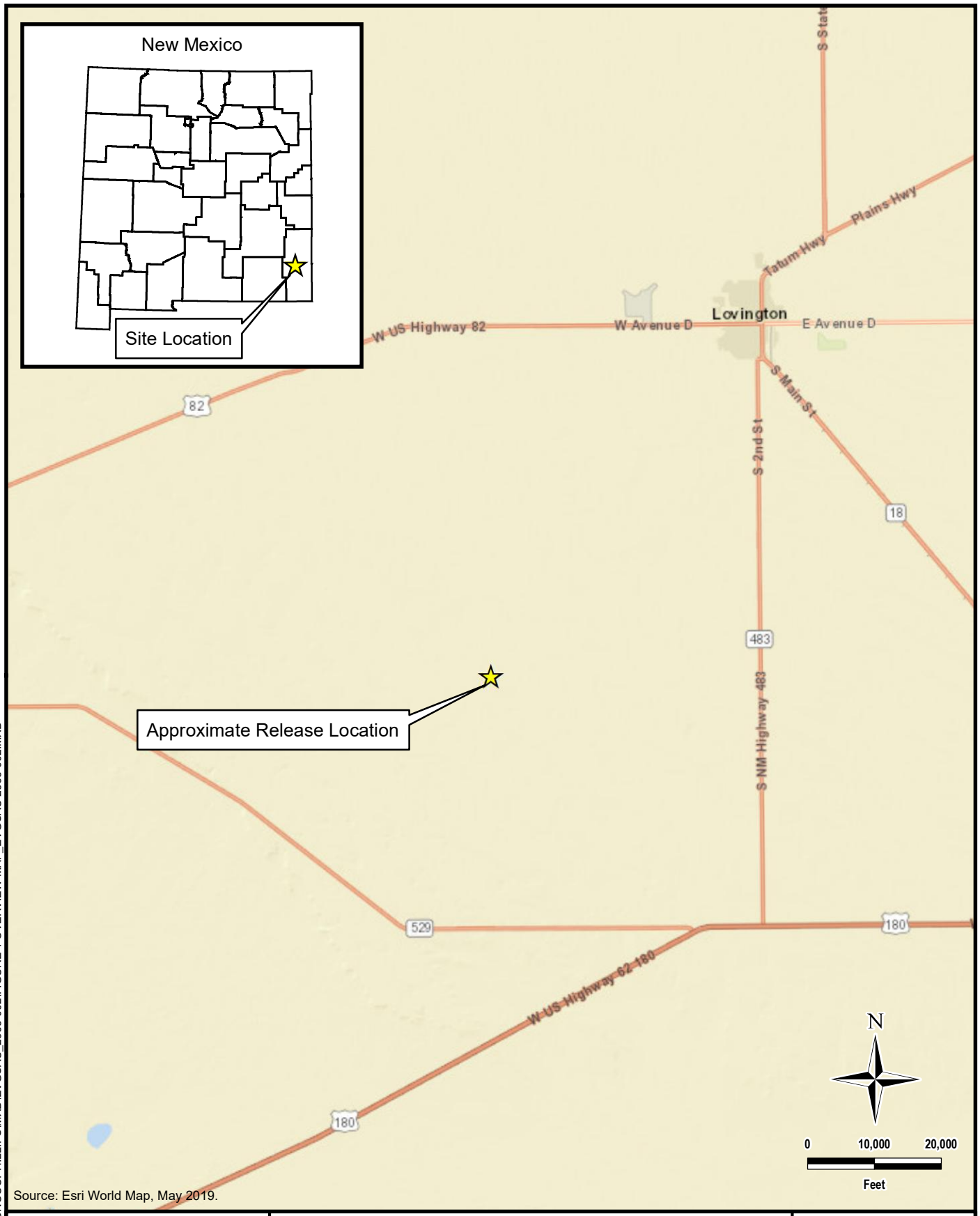
Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Appendices:

Appendix A – C-141 Forms
Appendix B – Site Characterization Data
Appendix C – Laboratory Analytical Data
Appendix D – Photographic Documentation
Appendix E – Soil Boring Logs
Appendix F – NMSLO Seed Mixture Details

FIGURES



Source: Esri World Map, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_2963-002\FIGURE 1 OVERVIEW MAP_EVGSAU 2963-002.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

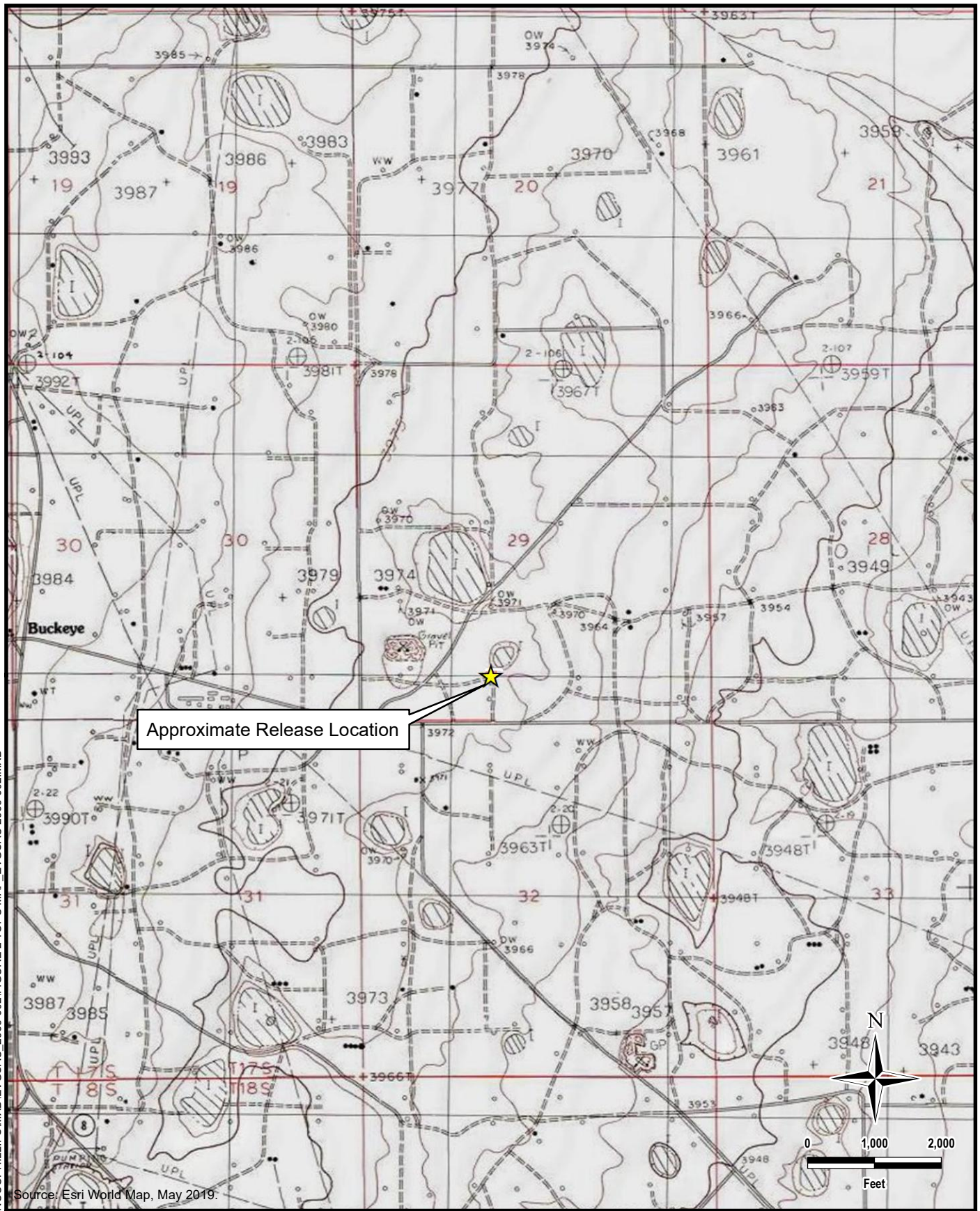
CONOCOPHILLIPS

NRM2014565278
(32.800575°, -103.482089°)
LEA COUNTY, NEW MEXICO

EVGSAU 2963-002 WELLHEAD RELEASE OVERVIEW MAP

PROJECT NO.:	212C-MD-02492
DATE:	MAY 11, 2021
DESIGNED BY:	AAM

Figure No.
1



Source: Esri World Map, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_2963-002\FIGURE 2 TOPO MAP_EVGSAU 2963-002.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

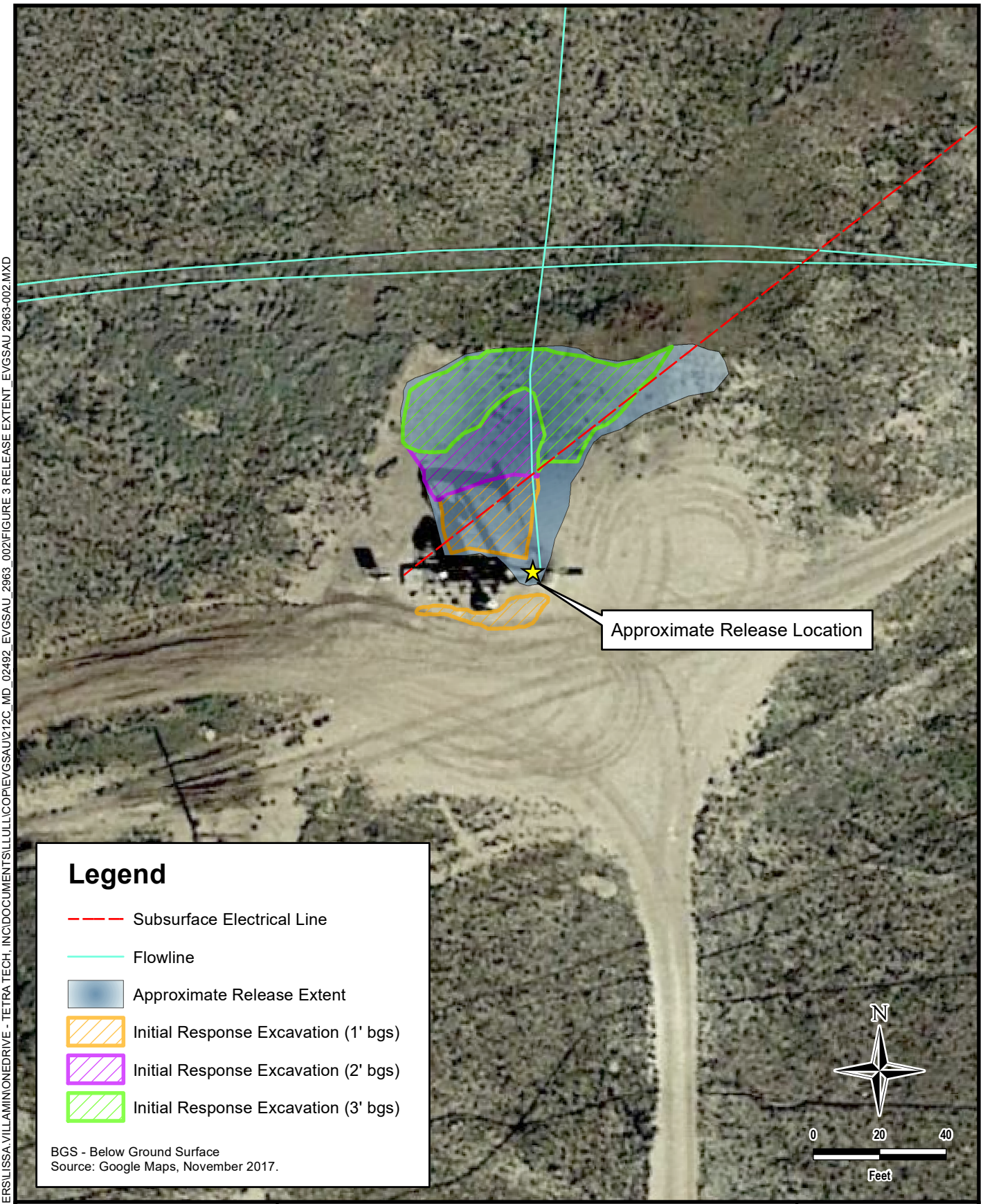
CONOCOPHILLIPS

NRM2014565278
(32.800575°, -103.482089°)
LEA COUNTY, NEW MEXICO

EVGSAU 2963-002 WELLHEAD RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02492
DATE:	MAY 11, 2021
DESIGNED BY:	AAM

Figure No.
2



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\EVGSAU\212C_MD_02492_EVGSAU_2963_002\FIGURE 3 RELEASE EXTENT_EVGSAU 2963-002.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

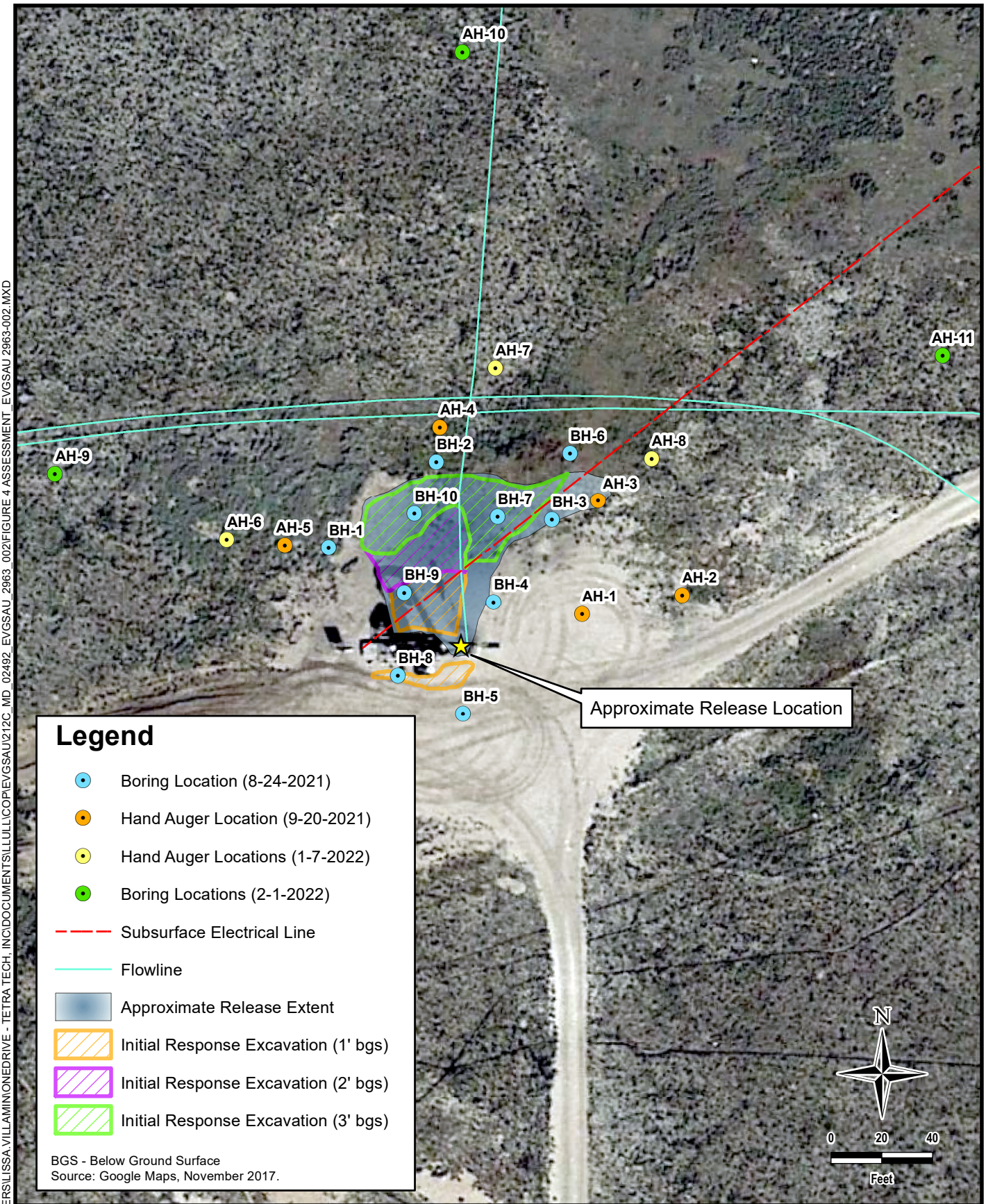
CONOCOPHILLIPS

NRM2014565278
(32.800575°, -103.482089°)
LEA COUNTY, NEW MEXICO

EVGSAU 2963-002 WELLHEAD RELEASE
APPROXIMATE RELEASE EXTENT AND INITIAL EXCAVATION

PROJECT NO.:	212C-MD-02492
DATE:	FEBRUARY 07, 2022
DESIGNED BY:	LMV

Figure No.
3



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LULL\COP\EVGSAU\212C_MD_02492_EVGSAU_2963_002\FIGURE 4 ASSESSMENT_EVGSAU 2963-002.MXD

TETRA TECH

www.tetratech.com

901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

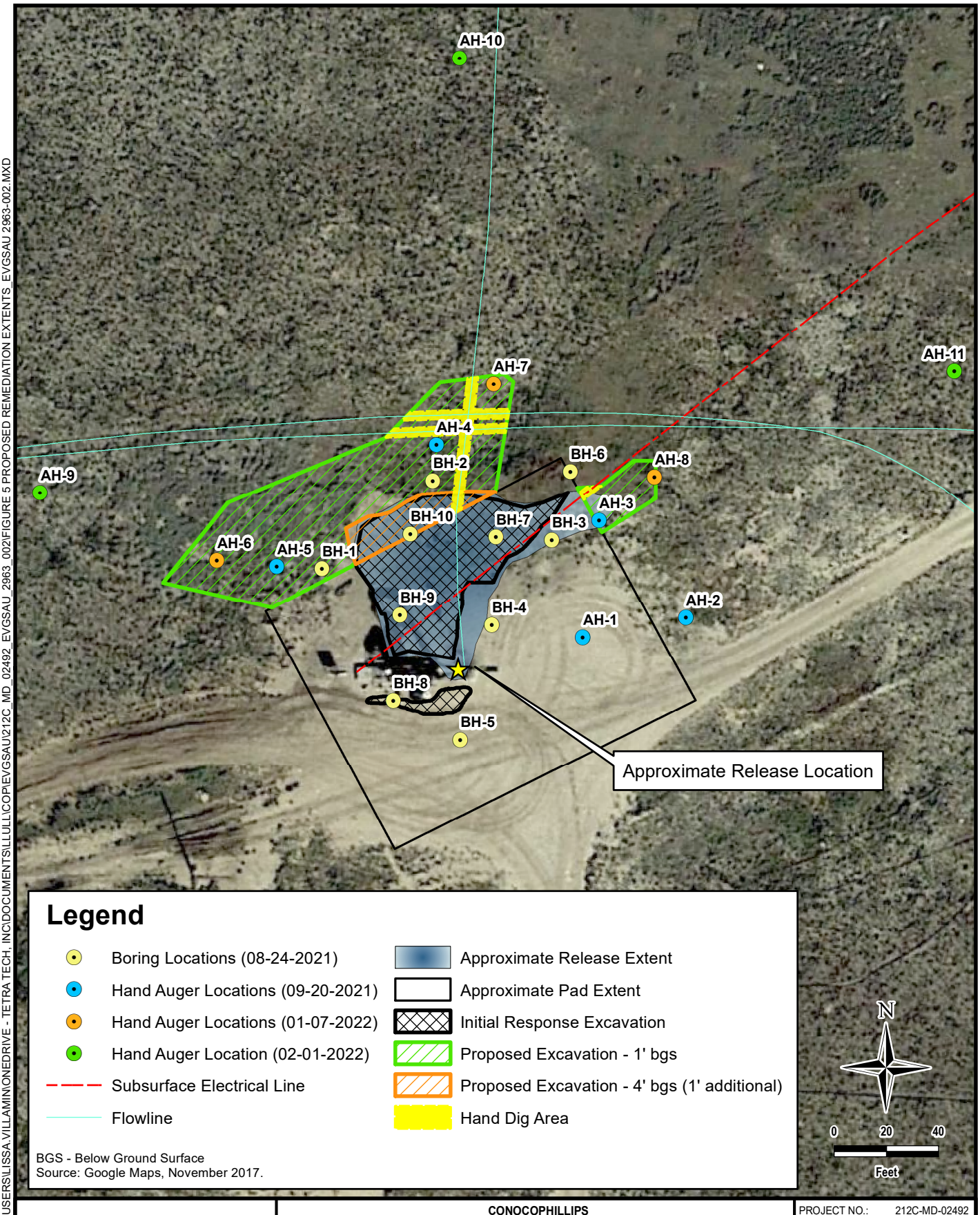
CONOCOPHILLIPS

NRM2014565278
(32.800575°, -103.482089°)
LEA COUNTY, NEW MEXICO

EVGSAU 2963-002 WELLHEAD RELEASE
RELEASE ASSESSMENT MAP

PROJECT NO.:	212C-MD-02492
DATE:	FEBRUARY 07, 2022
DESIGNED BY:	LMV

Figure No.
4



Legend

- Boring Locations (08-24-2021)
- Hand Auger Locations (09-20-2021)
- Hand Auger Locations (01-07-2022)
- Hand Auger Location (02-01-2022)
- Subsurface Electrical Line
- Flowline
- Approximate Release Extent
- Approximate Pad Extent
- Initial Response Excavation
- Proposed Excavation - 1' bgs
- Proposed Excavation - 4' bgs (1' additional)
- Hand Dig Area

BGS - Below Ground Surface
Source: Google Maps, November 2017.

N

0 20 40
Feet

DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LLULL\COP\EVGSAU\212C_MD_02492_EVGSAU_2963_002\FIGURE 5 PROPOSED REMEDIATION EXTENTS_EVGSAU 2963-002.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

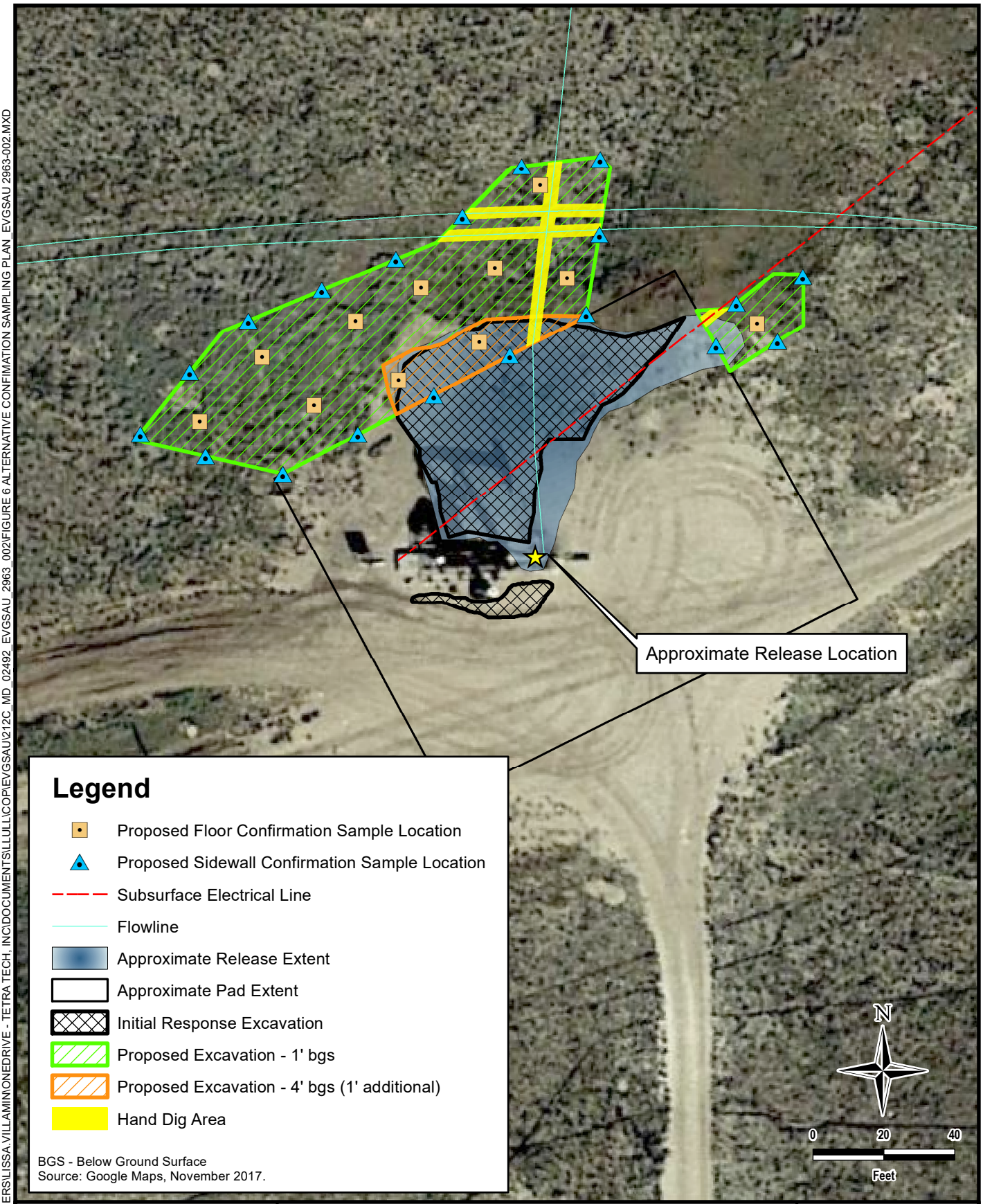
CONOCOPHILLIPS

NRM2014565278
(32.800575°, -103.482089°)
LEA COUNTY, NEW MEXICO

EVGSAU 2963-002 WELLHEAD RELEASE
PROPOSED REMEDIATION EXTENTS

PROJECT NO.:	212C-MD-02492
DATE:	FEBRUARY 15, 2022
DESIGNED BY:	LMV

Figure No.
5



DOCUMENT PATH: C:\USERS\LISSA.VILLAMIN\ONEDRIVE - TETRA TECH, INC\DOCUMENTS\LULL\COP\EVGSAU\212C_MD_02492_EVGSAU_2963_002\FIGURE 6 ALTERNATIVE CONFIMATION SAMPLING PLAN_EVGSAU 2963-002.MXD

TETRA TECH
www.tetratech.com
901 West Wall Street, Suite 100
Midland, Texas 79701
Phone: (432) 682-4559
Fax: (432) 682-3946

CONOCOPHILLIPS

NRM2014565278
(32.800575°, -103.482089°)
LEA COUNTY, NEW MEXICO

EVGSAU 2963-002 WELLHEAD RELEASE
ALTERNATIVE CONFIRMATION SAMPLING PLAN

PROJECT NO.:	212C-MD-02492
DATE:	FEBRUARY 15, 2022
DESIGNED BY:	LMV

Figure No.
6

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NRM2014565278
CONOCOPHILLIPS
EVGSAU 2963-002 WELLHEAD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1,2]		BTEX[3,4]										TPH[5,6]							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[7] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{36}		Total TPH (GRO+DRO+ORO)	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BH-1	8/23/2021	0-1	231	-	121		< 0.00112		< 0.00558		< 0.00279		< 0.00726		-		0.0308	J	82.1		295		***377***	
		2-3	204	-	177		< 0.00120		< 0.00602		< 0.00301		< 0.00782		-		< 0.110		< 4.40		2.70	J	2.70	
		4-5	192	-	203		< 0.00121		< 0.00607		< 0.00304		< 0.00790		-		< 0.111		2.10	J	1.78		3.88	
BH-2	8/23/2021	0-1	180	-	35.7		< 0.00118		< 0.00592		< 0.00296		< 0.00769		-		< 0.109		33.1		101		***134***	
		2-3	90.7	-	13.8	J	< 0.00125		< 0.00624		< 0.00312		< 0.00811		-		< 0.112		< 4.49		3.36	J	3.36	
		4-5	80.0	-	18.2	J	< 0.00125		< 0.00625		< 0.00313		< 0.00813		-		< 0.113		< 4.50		< 4.50		-	
BH-3	8/23/2021	0-1	305	-	393		0.000940	J	0.00364	J	0.00261	J	0.00434	J	0.0115		< 0.109		565		1920		2,485	
		2-3	190	-	13.8	J	< 0.00111		< 0.00557		< 0.00278		< 0.00724		-		< 0.106		< 4.23		1.88	J	1.88	
		4-5	201	-	17.9	J	< 0.00113		< 0.00564		< 0.00282		< 0.00734		-		< 0.106		2.43	J	3.27	J	5.70	
BH-4	8/23/2021	0-1	490	-	874		< 0.00112		< 0.00559		< 0.00279		< 0.00727		-		< 0.106		438		1220		1,658	
		2-3	510	-	103		< 0.00113		< 0.00563		< 0.00281		< 0.00732		-		< 0.106		2.68	J	5.59		8.27	
		4-5	560	-	75.7		< 0.00116		< 0.00580		< 0.00290		< 0.00753		-		< 0.108		3.78	J	4.02	J	7.80	
BH-5	8/23/2021	0-1	401	-	167		< 0.00113		< 0.00566		< 0.00283		< 0.00736		-		< 0.107		4.21	J	13.3		17.5	
		2-3	230	-	94.4		< 0.00107		< 0.00536		< 0.00268		< 0.00697		-		< 0.104		6.90		25.2		32.1	
		4-5	198	-	89.4		< 0.00112		< 0.00560		< 0.00280		< 0.00728		-		< 0.106		8.36		29.8		38.2	
BH-6	8/23/2021	0-1	401	-	402		< 0.00115		< 0.00574		< 0.00287		< 0.00747		-		< 0.107		16.0		60.0		76.0	
		2-3	260	-	109		< 0.00110		< 0.00552		< 0.00276		< 0.00717		-		< 0.105		2.88	J	6.19		9.07	
		4-5	109	-	83.6		< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		< 0.106		2.45	J	5.84		8.29	
BH-7	8/23/2021	3-4	-	-	446		< 0.00117		< 0.00586		< 0.00293		< 0.00762		-		< 0.109		44.4		171		215	
		5-6	-	-	319		< 0.00117		< 0.00586		< 0.00293		< 0.00762		-		< 0.109		45.5		180		226	
		7-8	385	-	123		< 0.00108		< 0.00539		< 0.00270		0.00212	J	0.00212		< 0.104		2.81	J	5.63		8.44	
		9-10	-	-	281		< 0.00121		< 0.00603		< 0.00302		< 0.00785		-		< 0.110		< 4.41		< 4.41		-	
		12-13	120	-	85.8		< 0.00122		< 0.00612		< 0.00306		< 0.00796		-		< 0.111		< 4.45		< 4.45		-	
		17-18	-	-	147		< 0.00122		< 0.00610		< 0.00305		< 0.00793		-		< 0.111		< 4.44		< 4.44		-	
		22-23	315	-	189		< 0.00118		< 0.00588		< 0.00294		< 0.00765		-		< 0.109		< 4.35		< 4.35		-	
BH-8	8/23/2021	1-2	-	-	66.9		< 0.00126		< 0.00628		< 0.00314		< 0.00816		-		< 0.113		18.5		60.4		78.9	
		3-4	-	-	29.2		< 0.00112		< 0.00561		< 0.00280		< 0.00729		-		< 0.106		1.79	J	3.96	J	5.75	
		5-6	-	-	18.2	J	< 0.00118		< 0.00591		< 0.00296		< 0.00769		-		< 0.109		< 4.37		0.588	J	0.588	
		7-8	-	-	12.9	J	< 0.00108		< 0.00542		< 0.00271		< 0.00705		-		0.0483	B J	< 4.17		< 4.17		0.0483	
		10-11	210	-	14.4	J	< 0.00111		< 0.00554		< 0.00277		< 0.00721		-		0.0457	B J	< 4.22		< 4.22		0.0457	
BH-9	8/23/2021	1-2	-	-	179		< 0.00112		< 0.00561		< 0.00281		< 0.00730		-		< 0.106		25.3		99.5		125	
		3-4	-	-	83.3		< 0.00109		< 0.00543		< 0.00272		< 0.00706		-		< 0.104		2.51	J	5.90		8.41	
		5-6	-	-	209		< 0.00110		< 0.00550		< 0.00275		< 0.00715		-		< 0.105		< 4.20		1.87	J	1.87	
		7-8	-	-	37.7		< 0.00120		< 0.00598		< 0.00299		< 0.00778		-		< 0.110		< 4.39		0.332	J	0.332	
		10-11	-	-	23.1		< 0.00122		< 0.00609		< 0.00305		< 0.00792		-		< 0.111		< 4.44		0.315	J	0.315	
		15-16	-	-	17.5	J	< 0.00121		< 0.00604		< 0.00302		< 0.00785		-		< 0.110		< 4.42		< 4.42		-	
		20-21	101	-	22.5	J	< 0.00144		< 0.00722		< 0.00361		< 0.00939		-		< 0.122		< 4.89		< 4.89		-	
BH-10	8/23/2021	3-4	-	-	272		< 0.00121		< 0.00605		< 0.00302		< 0.00786		-		< 0.110		31.9		123		***155***	
		5-6	-	-	262		< 0.00112		< 0.00561		< 0.00281		< 0.00730		-		< 0.106		8.88		34.2		43.1	
		7-8	-	-	691		< 0.00119		< 0.00594		< 0.00297		< 0.00773		-		< 0.109		< 4.38		< 4.38		-	
		9-10	-	-	246		< 0.00130		< 0.00652		< 0.00326		< 0.00848		-		< 0.115		< 4.61		< 4.61		-	
		12-13	-	-	51.1		< 0.00121		< 0.00603		< 0.00301		< 0.00783		-		< 0.110		< 4.41		0.520	J	0.520	
		17-18	-	-	30.0		< 0.00122		< 0.00611		< 0.00306		< 0.00795		-		< 0.111		< 4.44		< 4.44		-	
		22-23	98.0	-	15.5	J	< 0.00112		< 0.00561		< 0.00280		< 0.00729				< 0.106		< 4.24		< 4.24		-	

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NRM2014565278
CONOCOPHILLIPS
EVGSAU 2963-002 WELLHEAD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1,2]		BTEX[3,4]										TPH[5,6]							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[7] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{36}		Total TPH (GRO+DRO+ORO)	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	9/20/2021	0-1	-	-	223		< 0.00137		< 0.00687		< 0.00344		< 0.00893		-		< 0.119		< 4.75		1.87	J	1.87	
AH-2	9/20/2021	0-1	-	-	17.0	J	< 0.00152		< 0.00760		< 0.00380		< 0.00988		-		< 0.126		10.7		48.0		58.7	
AH-3	9/20/2021	0-1	-	-	21.4	J	< 0.00114		< 0.00571		< 0.00285		< 0.00742		-		0.182		436		1720		***2,156***	
AH-4	9/20/2021	0-1	-	-	16.5	J	< 0.00146		< 0.00730		< 0.00365		< 0.00948		-		0.230	B	39.7		144		***184***	
AH-5	9/20/2021	0-1	-	-	17.5	J	< 0.00146		< 0.00732		< 0.00366		< 0.00952		-		0.0557	B J	18.5		101		***120***	
AH-6	1/7/2022	0-1	-	-	< 108		< 0.0059		< 0.0237		< 0.0059		< 0.0178		-		< 10.7		202		188		***390***	
AH-7	1/7/2022	0-1	-	-	< 107		< 0.0059		< 0.0237		< 0.0059		< 0.0178		-		< 11.7		159		128		***287***	
AH-8	1/7/2022	0-1	-	-	< 109		< 0.0062		< 0.0246		< 0.0062		< 0.0185		-		< 12.1		79.8		61.2		***141***	
AH-9	2/1/2022	0-1	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		10.9		10.9	
		1-2	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-10	2/1/2022	0-1	-	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	-	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-11	2/1/2022	0-1	-	-	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		21.0		21.0	
		1-2	-	-	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics
1 EPA Method 300.0
2 Method SM4500Cl-B
3 EPA Method 8260B
4 EPA Method 8021B
5 EPA Method 8015
6 EPA Method 8015M
7 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed Remediation RRALs and/or Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

B The same analyte is found in the associated blank.
J The identification of the analyte is acceptable; the reported value is an estimate.

APPENDIX A
C-141 Forms

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	NRM2014565278
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party ConocoPhillips Company	OGRID 217817
Contact Name Kelsy Waggaman	Contact Telephone 505-577-9071
Contact email Kelsy.Waggaman@conocophillips.com	Incident # *(assigned by OCD)*
Contact mailing address 29 Vacuum Complex Lane, Lovington, NM 88260	

Location of Release Source

Latitude 32.800590 Longitude -103.4820557
(NAD 83 in decimal degrees to 5 decimal places)

Site Name East Vacuum (GSA) Unit #2	Site Type Production Facility
Date Release Discovered 5/9/20	API# *(if applicable)* 30-025-02937

Unit Letter	Section	Township	Range	County
N	29	17S	35E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 54	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Rod BOP failure - corrosion

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014565278
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Released volume of produced water was >25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: Kelsy Waggaman Title: Environmental Coordinator

Signature: Kelsy Waggaman Date: 5/21/20

email: Kelsy.Waggaman@ConocoPhillips.com Telephone: 505-577-9071

OCD Only

Received by: Ramona Marcus Date: 5/24/2020

NRM2014565278

L48 Spill Volume Estimate Form

Facility Name & Number:	EVGSAU 2963-002
Asset Area:	Buckeye
Release Discovery Date & Time:	5/9/2020
Release Type:	Produced Water
Provide any known details about the event:	Rod BOP failure

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor
Has it rained at least a half inch in the last 24 hours?	Yes, On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above.

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	18.0	18.0	1.00	10.50%	4.806	0.505			
Rectangle B	44.0	45.0	12.00	10.50%	352.440	37.006			
Rectangle C	33.0	27.0	12.00	10.50%	158.598	16.653			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
					Total Volume Release:	54.164			

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Dan Weidner Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: Dan Widmer Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: Chad Hensley Date: _____

APPENDIX B
Site Characterization Data

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04829 S4	L	LE	2	3	29	17S	35E		642121	3630598*	399	200	90	110

Average Depth to Water: **90 feet**

Minimum Depth: **90 feet**

Maximum Depth: **90 feet**

Record Count: 1

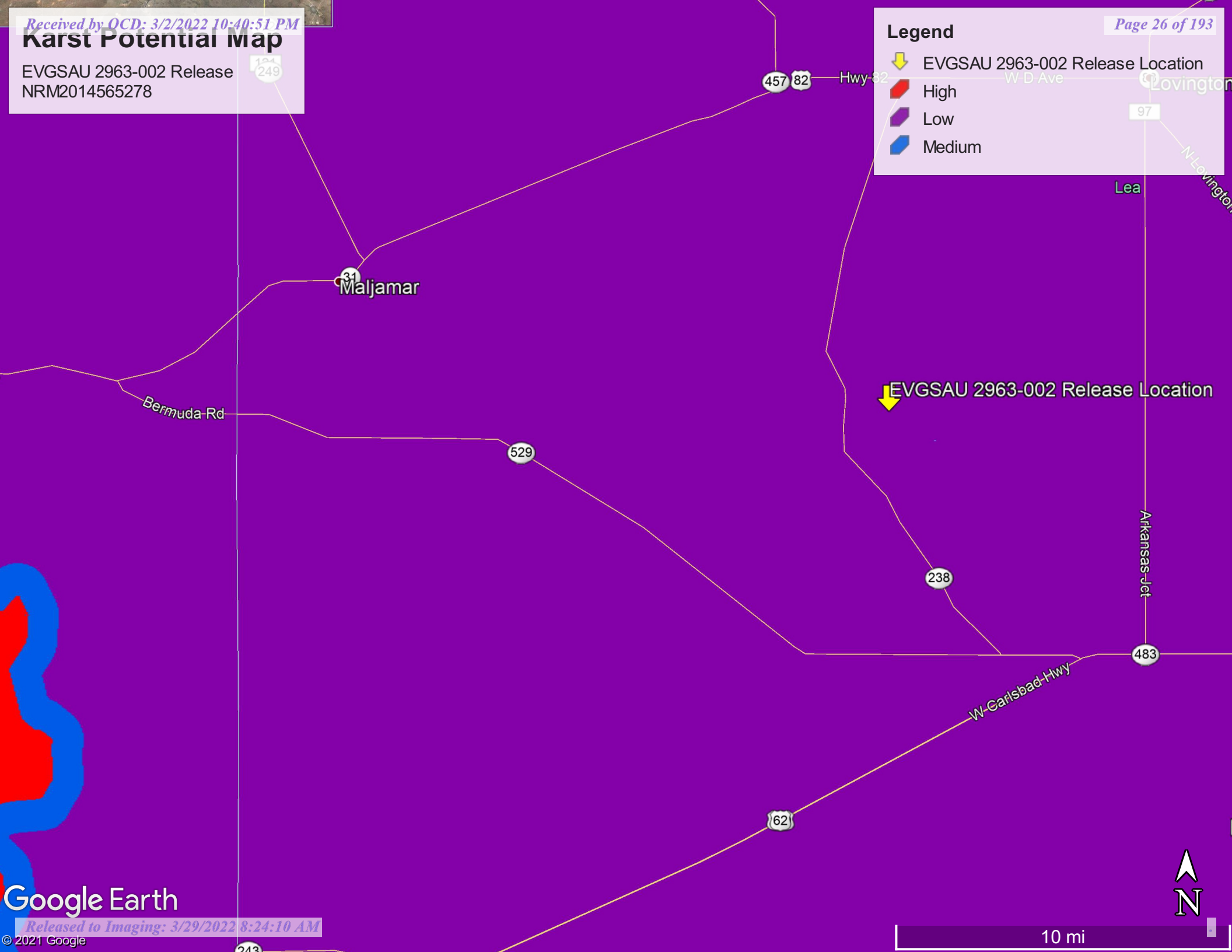
UTMNAD83 Radius Search (in meters):

Easting (X): 642122 **Northing (Y):** 3630199 **Radius:** 800

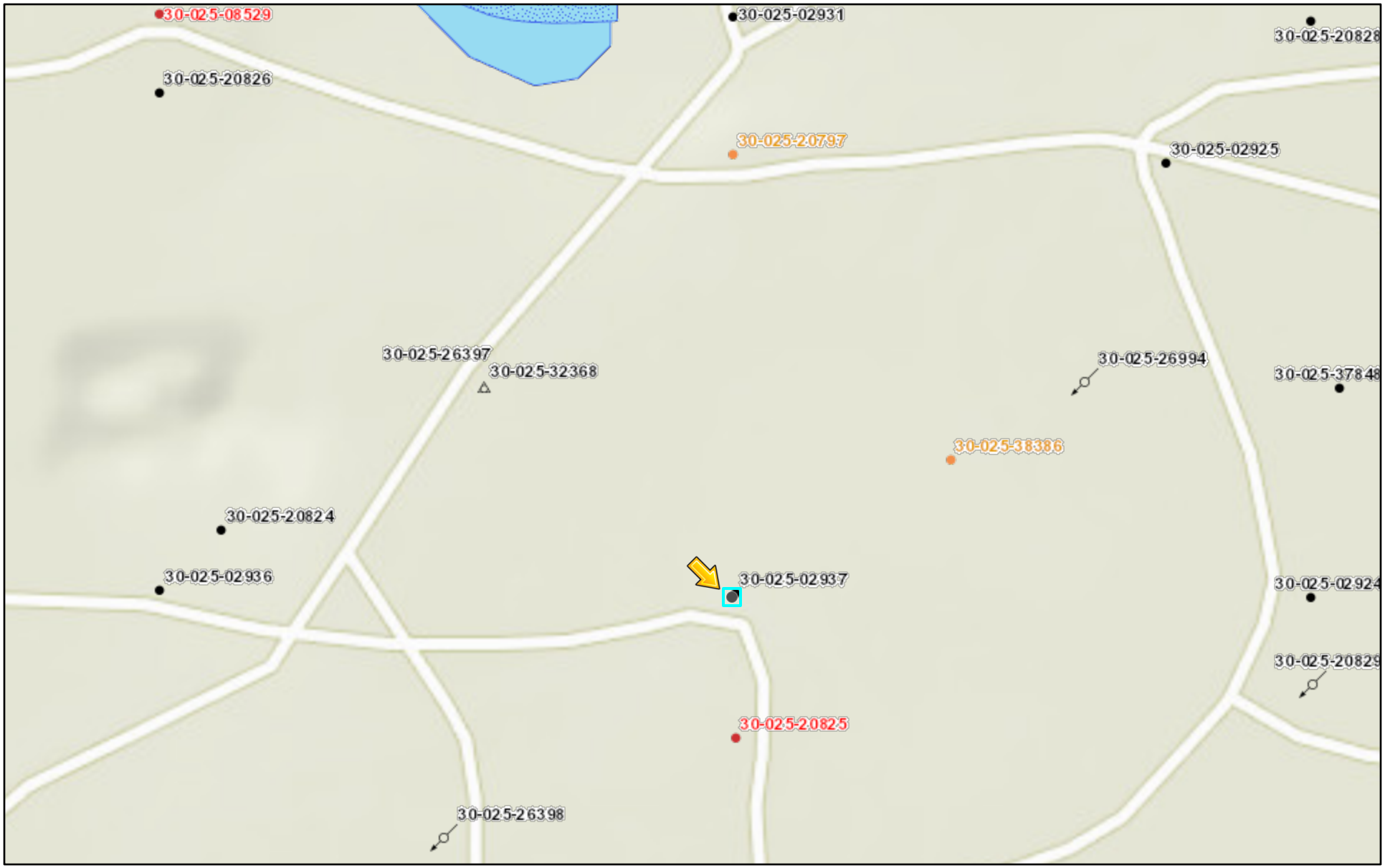
***UTM location was derived from PLSS - see Help**

Karst Potential Map

EVGSAU 2963-002 Release
NRM2014565278



EVGSAU 2963-002



3/2/2022, 11:31:45 PM

Override 1

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

Oil Conservation Division of the New Mexico Energy, Minerals and Natural

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

212C-MD-02377	TETRA TECH	**LOG OF BORING DTGW-1**	Page 1 of 2

Project Name: EVGSAU 3236-004 DTGW Determination Bore

Borehole Location: GPS: 32.793424°, -103.482099° | Surface Elevation: 3972 ft

Borehole Number: DTGW-1 | Borehole Diameter (in.): 8 | Date Started: 8/25/2021 | Date Finished: 8/25/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ Dry ft Upon Completion of Drilling ▼ Dry ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
0												**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	1	
												-CALICHE- CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		
5		X											6	
												-LS- LIMESTONE: Tan, hard, well-indurated, blocky, dry.	8	
												-CALICHE- CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel.		
10		X												
													14	
15		X										**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.		
													18	
												-CALICHE- CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel.		
20		X												
													22	
												-LS- LIMESTONE: White, hard, well cemented, blocky, slabby, dry.		
25		X												
													26	
												-SM- SILTY SAND: Tan, dense, moderately cemented, grading to sandstone (SS), dry.		
30		X												

Sampler Types: Split Spoon, Shelby, Bulk Sample, Grab Sample, Acetate Liner, Vane Shear, Discrete Sample, Test Pit

Operation Types: Mud Rotary, Continuous Flight Auger, Wash Rotary, Hand Auger, Air Rotary, Direct Push, Core Barrel

Notes:

Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02377	TETRA TECH	LOG OF BORING DTGW-1	Page 2 of 2

Project Name: EVGSAU 3236-004 DTGW Determination Bore

Borehole Location: GPS: 32.793424°, -103.482099° | Surface Elevation: 3972 ft

Borehole Number: DTGW-1 | Borehole Diameter (in.): 8 | Date Started: 8/25/2021 | Date Finished: 8/25/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ Dry ft Upon Completion of Drilling ▼ Dry ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
35													38	
40												**-SS-** SANDSTONE: White to tan, dense to very dense, semi-consolidated, moderately to well cemented, little to no gravel, dry.		
45														
50													52	
55												**-SS-** SANDSTONE: White to tan, dense to very dense, moderately cemented, with gravel, dry.	55	

Bottom of borehole at 55.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes: Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

APPENDIX C
Laboratory Analytical Data

Pace Analytical®

ANALYTICAL REPORT

October 01, 2021

Revised Report

ConocoPhillips - Tetra Tech

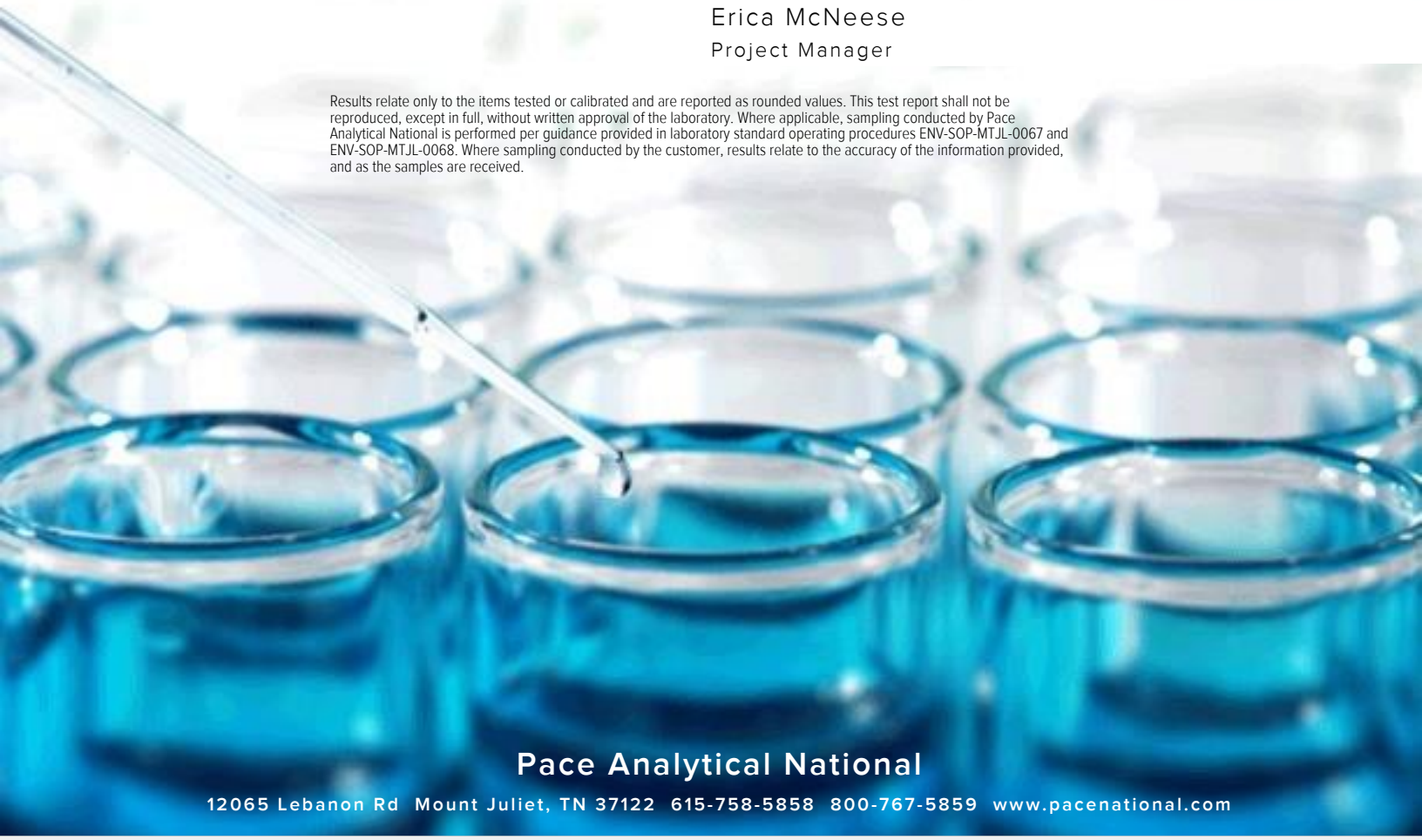
Sample Delivery Group:	L1396397
Samples Received:	08/28/2021
Project Number:	212C-MD-02492
Description:	EVSAU 2963-002

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

Entire Report Reviewed By: Erica McNeese

Erica McNeese
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

BH-1 (0-1) L1396397-01 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 17:56	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/01/21 16:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 03:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1733277	10	09/03/21 04:44	09/04/21 09:11	JN	Mt. Juliet, TN

BH-1 (2-3) L1396397-02 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 18:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/01/21 16:29	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 03:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1733277	1	09/03/21 04:44	09/04/21 06:19	JN	Mt. Juliet, TN

BH-1 (4-5) L1396397-03 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 18:34	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/01/21 21:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 03:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1733277	1	09/03/21 04:44	09/04/21 06:06	JN	Mt. Juliet, TN

BH-2 (0-1) L1396397-04 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 18:44	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/01/21 22:14	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 04:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1733277	2	09/03/21 04:44	09/08/21 14:41	CLG	Mt. Juliet, TN

BH-2 (2-3) L1396397-05 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 18:53	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 00:13	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 04:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1733277	1	09/03/21 04:44	09/04/21 05:40	JN	Mt. Juliet, TN

SAMPLE SUMMARY

BH-2 (4-5) L1396397-06 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 19:03	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 00:35	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 04:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 02:09	CAG	Mt. Juliet, TN

BH-3 (0-1) L1396397-07 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 19:12	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 00:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 05:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	20	09/03/21 15:49	09/10/21 15:44	WCR	Mt. Juliet, TN

BH-3 (2-3) L1396397-08 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 19:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 01:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 05:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 02:22	CAG	Mt. Juliet, TN

BH-3 (4-5) L1396397-09 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734868	1	09/07/21 08:19	09/07/21 08:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 19:31	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 01:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 05:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 02:36	CAG	Mt. Juliet, TN

BH-4 (0-1) L1396397-10 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 19:41	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 02:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 06:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	10	09/03/21 15:49	09/10/21 15:58	WCR	Mt. Juliet, TN

BH-4 (2-3) L1396397-11 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 19:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 02:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 06:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 03:30	CAG	Mt. Juliet, TN

BH-4 (4-5) L1396397-12 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 20:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 02:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 06:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 03:17	CAG	Mt. Juliet, TN

BH-5 (0-1) L1396397-13 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 20:28	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 03:05	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 07:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 03:44	CAG	Mt. Juliet, TN

BH-5 (2-3) L1396397-14 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 20:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 03:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 07:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 03:57	CAG	Mt. Juliet, TN

BH-5 (4-5) L1396397-15 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 20:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 03:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 07:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 04:11	CAG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

BH-6 (0-1) L1396397-16 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 21:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 04:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 08:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/10/21 15:04	WCR	Mt. Juliet, TN

BH-6 (2-3) L1396397-17 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1731931	1	08/30/21 15:16	08/30/21 21:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 04:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 08:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/10/21 14:50	WCR	Mt. Juliet, TN

BH-6 (4-5) L1396397-18 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 05:43	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1732079	1	08/31/21 16:39	09/02/21 04:53	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 08:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 04:38	CAG	Mt. Juliet, TN

BH-7 (3-4) L1396397-19 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734869	1	09/07/21 08:10	09/07/21 08:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 05:52	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 16:39	09/02/21 15:35	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 09:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	2	09/03/21 15:49	09/10/21 15:17	WCR	Mt. Juliet, TN

BH-7 (5-6) L1396397-20 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 06:02	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 16:39	09/02/21 15:56	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734886	1	08/31/21 16:39	09/04/21 09:37	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	2	09/03/21 15:49	09/10/21 15:31	WCR	Mt. Juliet, TN

BH-7 (7-8) L1396397-21 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 06:11	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 16:39	09/02/21 16:18	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 16:39	09/03/21 17:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1735379	1	08/31/21 16:39	09/05/21 09:41	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 04:51	CAG	Mt. Juliet, TN

BH-7 (9-10) L1396397-22 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 06:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 16:39	09/02/21 16:39	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 16:39	09/03/21 17:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 01:42	CAG	Mt. Juliet, TN

BH-7 (12-13) L1396397-23 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 06:30	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 20:11	09/02/21 17:01	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 18:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 01:55	CAG	Mt. Juliet, TN

BH-7 (17-18) L1396397-24 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 06:40	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 20:11	09/02/21 17:22	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 18:20	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 01:14	CAG	Mt. Juliet, TN

BH-7 (22-23) L1396397-25 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 06:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 20:11	09/02/21 17:44	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 18:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734026	1	09/03/21 15:49	09/08/21 01:28	CAG	Mt. Juliet, TN

BH-8 (1-2) L1396397-26 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 07:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 20:11	09/02/21 18:05	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 18:58	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 18:59	CAG	Mt. Juliet, TN

BH-8 (3-4) L1396397-27 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 07:56	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1733792	1	08/31/21 20:11	09/02/21 18:27	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 19:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 18:17	CAG	Mt. Juliet, TN

BH-8 (5-6) L1396397-28 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 08:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1735730	1	08/31/21 20:11	09/06/21 21:25	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 19:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 15:29	CAG	Mt. Juliet, TN

BH-8 (7-8) L1396397-29 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734870	1	09/07/21 08:01	09/07/21 08:07	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 08:15	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1731196	1	08/31/21 20:11	09/03/21 02:56	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 19:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 15:43	CAG	Mt. Juliet, TN

BH-8 (10-11) L1396397-30 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 08:25	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1731196	1	08/31/21 20:11	09/03/21 03:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 20:15	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 15:57	CAG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SAMPLE SUMMARY

BH-9 (1-2) L1396397-31 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 08:34	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 05:29	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734823	1	08/31/21 20:11	09/03/21 20:34	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 19:55	CLG	Mt. Juliet, TN

BH-9 (3-4) L1396397-32 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 08:44	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 05:50	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/03/21 22:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 18:31	CAG	Mt. Juliet, TN

BH-9 (5-6) L1396397-33 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 09:12	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 06:12	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/03/21 23:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 17:49	CAG	Mt. Juliet, TN

BH-9 (7-8) L1396397-34 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 09:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 06:33	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/03/21 23:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 15:01	CAG	Mt. Juliet, TN

BH-9 (10-11) L1396397-35 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 09:31	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 06:55	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/03/21 23:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 15:15	CAG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

BH-9 (15-16) L1396397-36 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 09:50	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 07:16	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 00:04	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 16:11	CAG	Mt. Juliet, TN

BH-9 (20-21) L1396397-37 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733212	1	09/01/21 16:25	09/02/21 10:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 07:38	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 00:23	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 16:25	CAG	Mt. Juliet, TN

BH-10 (3-4) L1396397-38 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 19:29	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 08:00	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 00:42	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 19:41	CAG	Mt. Juliet, TN

BH-10 (5-6) L1396397-39 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734872	1	09/07/21 07:53	09/07/21 07:59	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 19:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 08:21	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 01:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 18:45	CAG	Mt. Juliet, TN

BH-10 (7-8) L1396397-40 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734874	1	09/07/21 07:43	09/07/21 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 19:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 08:43	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 01:21	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 16:39	CAG	Mt. Juliet, TN

BH-10 (9-10) L1396397-41 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734874	1	09/07/21 07:43	09/07/21 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 19:57	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 09:04	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 01:40	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 16:53	CAG	Mt. Juliet, TN

BH-10 (12-13) L1396397-42 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734874	1	09/07/21 07:43	09/07/21 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 20:06	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 09:26	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 01:59	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 17:07	CAG	Mt. Juliet, TN

BH-10 (17-18) L1396397-43 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734874	1	09/07/21 07:43	09/07/21 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 20:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 09:47	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 02:18	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 17:21	CAG	Mt. Juliet, TN

BH-10 (22-23) L1396397-44 Solid

Collected by: Joe Tyler | Collected date/time: 08/23/21 00:00 | Received date/time: 08/28/21 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1734874	1	09/07/21 07:43	09/07/21 07:49	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 20:25	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	08/31/21 20:11	09/04/21 10:09	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	08/31/21 20:11	09/04/21 02:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734027	1	09/03/21 04:51	09/04/21 17:35	CAG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Erica McNeese
Project Manager

Report Revision History

Level II Report - Version 1: 09/15/21 19:03

Project Narrative

Revised report to include revised sample IDs per client request.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	121		9.73	21.2	1	08/30/2021 17:56	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0308	J	0.0230	0.106	1	09/01/2021 16:08	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/01/2021 16:08*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000521	0.00112	1	09/04/2021 03:16	WG1734886
Toluene	U		0.00145	0.00558	1	09/04/2021 03:16	WG1734886
Ethylbenzene	U		0.000823	0.00279	1	09/04/2021 03:16	WG1734886
Total Xylenes	U		0.000983	0.00726	1	09/04/2021 03:16	WG1734886
(S) Toluene-d8	*103*			*75.0-131*		*09/04/2021 03:16*	WG1734886
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/04/2021 03:16*	WG1734886
(S) 1,2-Dichloroethane-d4	*82.8*			*70.0-130*		*09/04/2021 03:16*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	82.1		17.0	42.3	10	09/04/2021 09:11	WG1733277
C28-C36 Motor Oil Range	295		2.90	42.3	10	09/04/2021 09:11	WG1733277
(S) o-Terphenyl	*57.2*			*18.0-148*		*09/04/2021 09:11*	WG1733277

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.8		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	177		10.1	22.0	1	08/30/2021 18:05	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	09/01/2021 16:29	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*09/01/2021 16:29*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000562	0.00120	1	09/04/2021 03:36	WG1734886
Toluene	U		0.00156	0.00602	1	09/04/2021 03:36	WG1734886
Ethylbenzene	U		0.000887	0.00301	1	09/04/2021 03:36	WG1734886
Total Xylenes	U		0.00106	0.00782	1	09/04/2021 03:36	WG1734886
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 03:36*	WG1734886
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/04/2021 03:36*	WG1734886
(S) 1,2-Dichloroethane-d4	*80.9*			*70.0-130*		*09/04/2021 03:36*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.77	4.40	1	09/04/2021 06:19	WG1733277
C28-C36 Motor Oil Range	2.70	J	0.302	4.40	1	09/04/2021 06:19	WG1733277
(S) o-Terphenyl	*60.8*			*18.0-148*		*09/04/2021 06:19*	WG1733277

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	203		10.2	22.1	1	08/30/2021 18:34	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0240	0.111	1	09/01/2021 21:52	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/01/2021 21:52*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000567	0.00121	1	09/04/2021 03:56	WG1734886
Toluene	U		0.00158	0.00607	1	09/04/2021 03:56	WG1734886
Ethylbenzene	U		0.000895	0.00304	1	09/04/2021 03:56	WG1734886
Total Xylenes	U		0.00107	0.00790	1	09/04/2021 03:56	WG1734886
(S) Toluene-d8	*108*			*75.0-131*		*09/04/2021 03:56*	WG1734886
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/04/2021 03:56*	WG1734886
(S) 1,2-Dichloroethane-d4	*81.8*			*70.0-130*		*09/04/2021 03:56*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.10	J	1.78	4.43	1	09/04/2021 06:06	WG1733277
C28-C36 Motor Oil Range	1.78	J	0.303	4.43	1	09/04/2021 06:06	WG1733277
(S) o-Terphenyl	*61.2*			*18.0-148*		*09/04/2021 06:06*	WG1733277

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	35.7		10.0	21.8	1	08/30/2021 18:44	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.109	1	09/01/2021 22:14	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/01/2021 22:14*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000553	0.00118	1	09/04/2021 04:16	WG1734886
Toluene	U		0.00154	0.00592	1	09/04/2021 04:16	WG1734886
Ethylbenzene	U		0.000872	0.00296	1	09/04/2021 04:16	WG1734886
Total Xylenes	U		0.00104	0.00769	1	09/04/2021 04:16	WG1734886
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 04:16*	WG1734886
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/04/2021 04:16*	WG1734886
(S) 1,2-Dichloroethane-d4	*82.9*			*70.0-130*		*09/04/2021 04:16*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	33.1		3.52	8.73	2	09/08/2021 14:41	WG1733277
C28-C36 Motor Oil Range	101		0.598	8.73	2	09/08/2021 14:41	WG1733277
(S) o-Terphenyl	*87.3*			*18.0-148*		*09/08/2021 14:41*	WG1733277

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.8	J	10.3	22.5	1	08/30/2021 18:53	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0244	0.112	1	09/02/2021 00:13	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/02/2021 00:13*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000582	0.00125	1	09/04/2021 04:36	WG1734886
Toluene	U		0.00162	0.00624	1	09/04/2021 04:36	WG1734886
Ethylbenzene	U		0.000919	0.00312	1	09/04/2021 04:36	WG1734886
Total Xylenes	U		0.00110	0.00811	1	09/04/2021 04:36	WG1734886
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 04:36*	WG1734886
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/04/2021 04:36*	WG1734886
(S) 1,2-Dichloroethane-d4	*83.1*			*70.0-130*		*09/04/2021 04:36*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.81	4.49	1	09/04/2021 05:40	WG1733277
C28-C36 Motor Oil Range	3.36	J	0.308	4.49	1	09/04/2021 05:40	WG1733277
(S) o-Terphenyl	*59.4*			*18.0-148*		*09/04/2021 05:40*	WG1733277

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	18.2	J	10.4	22.5	1	08/30/2021 19:03	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0244	0.113	1	09/02/2021 00:35	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 00:35*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000584	0.00125	1	09/04/2021 04:56	WG1734886
Toluene	U		0.00163	0.00625	1	09/04/2021 04:56	WG1734886
Ethylbenzene	U		0.000921	0.00313	1	09/04/2021 04:56	WG1734886
Total Xylenes	U		0.00110	0.00813	1	09/04/2021 04:56	WG1734886
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 04:56*	WG1734886
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/04/2021 04:56*	WG1734886
(S) 1,2-Dichloroethane-d4	*84.5*			*70.0-130*		*09/04/2021 04:56*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.81	4.50	1	09/08/2021 02:09	WG1734026
C28-C36 Motor Oil Range	U		0.308	4.50	1	09/08/2021 02:09	WG1734026
(S) o-Terphenyl	*37.6*			*18.0-148*		*09/08/2021 02:09*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	393		10.1	21.9	1	08/30/2021 19:12	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.109	1	09/02/2021 00:56	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*09/02/2021 00:56*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000940	J	0.000554	0.00119	1	09/04/2021 05:16	WG1734886
Toluene	0.00364	J	0.00154	0.00593	1	09/04/2021 05:16	WG1734886
Ethylbenzene	0.00261	J	0.000875	0.00297	1	09/04/2021 05:16	WG1734886
Total Xylenes	0.00434	J	0.00104	0.00771	1	09/04/2021 05:16	WG1734886
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 05:16*	WG1734886
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/04/2021 05:16*	WG1734886
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*09/04/2021 05:16*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	565		35.2	87.4	20	09/10/2021 15:44	WG1734026
C28-C36 Motor Oil Range	1920		5.99	87.4	20	09/10/2021 15:44	WG1734026
(S) o-Terphenyl	*100*	J7		*18.0-148*		*09/10/2021 15:44*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.8	J	9.72	21.1	1	08/30/2021 19:22	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0229	0.106	1	09/02/2021 01:18	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/02/2021 01:18*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000520	0.00111	1	09/04/2021 05:36	WG1734886
Toluene	U		0.00145	0.00557	1	09/04/2021 05:36	WG1734886
Ethylbenzene	U		0.000820	0.00278	1	09/04/2021 05:36	WG1734886
Total Xylenes	U		0.000980	0.00724	1	09/04/2021 05:36	WG1734886
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 05:36*	WG1734886
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/04/2021 05:36*	WG1734886
(S) 1,2-Dichloroethane-d4	*87.8*			*70.0-130*		*09/04/2021 05:36*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.70	4.23	1	09/08/2021 02:22	WG1734026
C28-C36 Motor Oil Range	1.88	J	0.289	4.23	1	09/08/2021 02:22	WG1734026
(S) o-Terphenyl	*39.3*			*18.0-148*		*09/08/2021 02:22*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/07/2021 08:24	WG1734868

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	17.9	J	9.79	21.3	1	08/30/2021 19:31	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0231	0.106	1	09/02/2021 01:39	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 01:39*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000527	0.00113	1	09/04/2021 05:56	WG1734886
Toluene	U		0.00147	0.00564	1	09/04/2021 05:56	WG1734886
Ethylbenzene	U		0.000832	0.00282	1	09/04/2021 05:56	WG1734886
Total Xylenes	U		0.000993	0.00734	1	09/04/2021 05:56	WG1734886
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 05:56*	WG1734886
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/04/2021 05:56*	WG1734886
(S) 1,2-Dichloroethane-d4	*83.9*			*70.0-130*		*09/04/2021 05:56*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.43	J	1.71	4.26	1	09/08/2021 02:36	WG1734026
C28-C36 Motor Oil Range	3.27	J	0.292	4.26	1	09/08/2021 02:36	WG1734026
(S) o-Terphenyl	*60.2*			*18.0-148*		*09/08/2021 02:36*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	874		9.74	21.2	1	08/30/2021 19:41	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/02/2021 02:01	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/02/2021 02:01*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000522	0.00112	1	09/04/2021 06:16	WG1734886
Toluene	U		0.00145	0.00559	1	09/04/2021 06:16	WG1734886
Ethylbenzene	U		0.000824	0.00279	1	09/04/2021 06:16	WG1734886
Total Xylenes	U		0.000984	0.00727	1	09/04/2021 06:16	WG1734886
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 06:16*	WG1734886
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/04/2021 06:16*	WG1734886
(S) 1,2-Dichloroethane-d4	*84.7*			*70.0-130*		*09/04/2021 06:16*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	438		17.0	42.3	10	09/10/2021 15:58	WG1734026
C28-C36 Motor Oil Range	1220		2.90	42.3	10	09/10/2021 15:58	WG1734026
(S) o-Terphenyl	*50.8*			*18.0-148*		*09/10/2021 15:58*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	103		9.78	21.3	1	08/30/2021 19:50	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0231	0.106	1	09/02/2021 02:22	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 02:22*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000526	0.00113	1	09/04/2021 06:36	WG1734886
Toluene	U		0.00146	0.00563	1	09/04/2021 06:36	WG1734886
Ethylbenzene	U		0.000830	0.00281	1	09/04/2021 06:36	WG1734886
Total Xylenes	U		0.000991	0.00732	1	09/04/2021 06:36	WG1734886
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 06:36*	WG1734886
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/04/2021 06:36*	WG1734886
(S) 1,2-Dichloroethane-d4	*83.0*			*70.0-130*		*09/04/2021 06:36*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.68	J	1.71	4.25	1	09/08/2021 03:30	WG1734026
C28-C36 Motor Oil Range	5.59		0.291	4.25	1	09/08/2021 03:30	WG1734026
(S) o-Terphenyl	*50.8*			*18.0-148*		*09/08/2021 03:30*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	75.7		9.93	21.6	1	08/30/2021 20:00	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0234	0.108	1	09/02/2021 02:44	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/02/2021 02:44*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000541	0.00116	1	09/04/2021 06:56	WG1734886
Toluene	U		0.00151	0.00580	1	09/04/2021 06:56	WG1734886
Ethylbenzene	U		0.000854	0.00290	1	09/04/2021 06:56	WG1734886
Total Xylenes	U		0.00102	0.00753	1	09/04/2021 06:56	WG1734886
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 06:56*	WG1734886
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/04/2021 06:56*	WG1734886
(S) 1,2-Dichloroethane-d4	*81.6*			*70.0-130*		*09/04/2021 06:56*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.78	J	1.74	4.32	1	09/08/2021 03:17	WG1734026
C28-C36 Motor Oil Range	4.02	J	0.296	4.32	1	09/08/2021 03:17	WG1734026
(S) o-Terphenyl	*47.7*			*18.0-148*		*09/08/2021 03:17*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	167		9.81	21.3	1	08/30/2021 20:28	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0231	0.107	1	09/02/2021 03:05	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 03:05*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000529	0.00113	1	09/04/2021 07:16	WG1734886
Toluene	U		0.00147	0.00566	1	09/04/2021 07:16	WG1734886
Ethylbenzene	U		0.000835	0.00283	1	09/04/2021 07:16	WG1734886
Total Xylenes	U		0.000997	0.00736	1	09/04/2021 07:16	WG1734886
(S) Toluene-d8	*109*			*75.0-131*		*09/04/2021 07:16*	WG1734886
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*09/04/2021 07:16*	WG1734886
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*09/04/2021 07:16*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.21	J	1.72	4.26	1	09/08/2021 03:44	WG1734026
C28-C36 Motor Oil Range	13.3		0.292	4.26	1	09/08/2021 03:44	WG1734026
(S) o-Terphenyl	*44.4*			*18.0-148*		*09/08/2021 03:44*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.5		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	94.4		9.53	20.7	1	08/30/2021 20:38	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	09/02/2021 03:27	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 03:27*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000501	0.00107	1	09/04/2021 07:36	WG1734886
Toluene	U		0.00139	0.00536	1	09/04/2021 07:36	WG1734886
Ethylbenzene	U		0.000790	0.00268	1	09/04/2021 07:36	WG1734886
Total Xylenes	U		0.000944	0.00697	1	09/04/2021 07:36	WG1734886
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 07:36*	WG1734886
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/04/2021 07:36*	WG1734886
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*		*09/04/2021 07:36*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.90		1.67	4.14	1	09/08/2021 03:57	WG1734026
C28-C36 Motor Oil Range	25.2		0.284	4.14	1	09/08/2021 03:57	WG1734026
(S) o-Terphenyl	*56.2*			*18.0-148*		*09/08/2021 03:57*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	89.4		9.75	21.2	1	08/30/2021 20:47	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/02/2021 03:48	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/02/2021 03:48*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000523	0.00112	1	09/04/2021 07:56	WG1734886
Toluene	U		0.00146	0.00560	1	09/04/2021 07:56	WG1734886
Ethylbenzene	U		0.000826	0.00280	1	09/04/2021 07:56	WG1734886
Total Xylenes	U		0.000986	0.00728	1	09/04/2021 07:56	WG1734886
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 07:56*	WG1734886
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*09/04/2021 07:56*	WG1734886
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*		*09/04/2021 07:56*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	8.36		1.71	4.24	1	09/08/2021 04:11	WG1734026
C28-C36 Motor Oil Range	29.8		0.290	4.24	1	09/08/2021 04:11	WG1734026
(S) o-Terphenyl	*38.5*			*18.0-148*		*09/08/2021 04:11*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	402		9.88	21.5	1	08/30/2021 21:06	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0233	0.107	1	09/02/2021 04:10	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/02/2021 04:10*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000536	0.00115	1	09/04/2021 08:16	WG1734886
Toluene	U		0.00149	0.00574	1	09/04/2021 08:16	WG1734886
Ethylbenzene	U		0.000847	0.00287	1	09/04/2021 08:16	WG1734886
Total Xylenes	U		0.00101	0.00747	1	09/04/2021 08:16	WG1734886
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 08:16*	WG1734886
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/04/2021 08:16*	WG1734886
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*		*09/04/2021 08:16*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	16.0		1.73	4.30	1	09/10/2021 15:04	WG1734026
C28-C36 Motor Oil Range	60.0		0.294	4.30	1	09/10/2021 15:04	WG1734026
(S) o-Terphenyl	*53.9*			*18.0-148*		*09/10/2021 15:04*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	109		9.67	21.0	1	08/30/2021 21:16	WG1731931

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	09/02/2021 04:31	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 04:31*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000515	0.00110	1	09/04/2021 08:36	WG1734886
Toluene	U		0.00143	0.00552	1	09/04/2021 08:36	WG1734886
Ethylbenzene	U		0.000813	0.00276	1	09/04/2021 08:36	WG1734886
Total Xylenes	U		0.000971	0.00717	1	09/04/2021 08:36	WG1734886
(S) Toluene-d8	*103*			*75.0-131*		*09/04/2021 08:36*	WG1734886
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/04/2021 08:36*	WG1734886
(S) 1,2-Dichloroethane-d4	*86.5*			*70.0-130*		*09/04/2021 08:36*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.88	J	1.69	4.20	1	09/10/2021 14:50	WG1734026
C28-C36 Motor Oil Range	6.19		0.288	4.20	1	09/10/2021 14:50	WG1734026
(S) o-Terphenyl	*42.3*			*18.0-148*		*09/10/2021 14:50*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	83.6		9.71	21.1	1	09/02/2021 05:43	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0229	0.106	1	09/02/2021 04:53	WG1732079
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/02/2021 04:53*	WG1732079

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000519	0.00111	1	09/04/2021 08:56	WG1734886
Toluene	U		0.00145	0.00556	1	09/04/2021 08:56	WG1734886
Ethylbenzene	U		0.000820	0.00278	1	09/04/2021 08:56	WG1734886
Total Xylenes	U		0.000979	0.00723	1	09/04/2021 08:56	WG1734886
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 08:56*	WG1734886
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*09/04/2021 08:56*	WG1734886
(S) 1,2-Dichloroethane-d4	*85.1*			*70.0-130*		*09/04/2021 08:56*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.45	J	1.70	4.22	1	09/08/2021 04:38	WG1734026
C28-C36 Motor Oil Range	5.84		0.289	4.22	1	09/08/2021 04:38	WG1734026
(S) o-Terphenyl	*45.4*			*18.0-148*		*09/08/2021 04:38*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	09/07/2021 08:17	WG1734869

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	446		9.99	21.7	1	09/02/2021 05:52	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	09/02/2021 15:35	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 15:35*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000548	0.00117	1	09/04/2021 09:17	WG1734886
Toluene	U		0.00152	0.00586	1	09/04/2021 09:17	WG1734886
Ethylbenzene	U		0.000864	0.00293	1	09/04/2021 09:17	WG1734886
Total Xylenes	U		0.00103	0.00762	1	09/04/2021 09:17	WG1734886
(S) Toluene-d8	*101*			*75.0-131*		*09/04/2021 09:17*	WG1734886
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/04/2021 09:17*	WG1734886
(S) 1,2-Dichloroethane-d4	*88.9*			*70.0-130*		*09/04/2021 09:17*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	44.4		3.50	8.69	2	09/10/2021 15:17	WG1734026
C28-C36 Motor Oil Range	171		0.595	8.69	2	09/10/2021 15:17	WG1734026
(S) o-Terphenyl	*45.1*			*18.0-148*		*09/10/2021 15:17*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	319		9.99	21.7	1	09/02/2021 06:02	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	09/02/2021 15:56	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 15:56*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000548	0.00117	1	09/04/2021 09:37	WG1734886
Toluene	U		0.00152	0.00586	1	09/04/2021 09:37	WG1734886
Ethylbenzene	U		0.000864	0.00293	1	09/04/2021 09:37	WG1734886
Total Xylenes	U		0.00103	0.00762	1	09/04/2021 09:37	WG1734886
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 09:37*	WG1734886
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/04/2021 09:37*	WG1734886
(S) 1,2-Dichloroethane-d4	*85.7*			*70.0-130*		*09/04/2021 09:37*	WG1734886

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	45.5		3.50	8.69	2	09/10/2021 15:31	WG1734026
C28-C36 Motor Oil Range	180		0.595	8.69	2	09/10/2021 15:31	WG1734026
(S) o-Terphenyl	*48.3*			*18.0-148*		*09/10/2021 15:31*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	123		9.56	20.8	1	09/02/2021 06:11	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	09/02/2021 16:18	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/02/2021 16:18*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000503	0.00108	1	09/03/2021 17:22	WG1734823
Toluene	U		0.00140	0.00539	1	09/03/2021 17:22	WG1734823
Ethylbenzene	U		0.000795	0.00270	1	09/03/2021 17:22	WG1734823
Total Xylenes	0.00212	J	0.000949	0.00701	1	09/05/2021 09:41	WG1735379
(S) Toluene-d8	*106*			*75.0-131*		*09/03/2021 17:22*	WG1734823
(S) Toluene-d8	*102*			*75.0-131*		*09/05/2021 09:41*	WG1735379
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/03/2021 17:22*	WG1734823
(S) 4-Bromofluorobenzene	*95.5*			*67.0-138*		*09/05/2021 09:41*	WG1735379
(S) 1,2-Dichloroethane-d4	*96.8*			*70.0-130*		*09/03/2021 17:22*	WG1734823
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*09/05/2021 09:41*	WG1735379

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.81	J	1.67	4.16	1	09/08/2021 04:51	WG1734026
C28-C36 Motor Oil Range	5.63		0.285	4.16	1	09/08/2021 04:51	WG1734026
(S) o-Terphenyl	*46.0*			*18.0-148*		*09/08/2021 04:51*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	281		10.1	22.1	1	09/02/2021 06:21	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	09/02/2021 16:39	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/02/2021 16:39*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000564	0.00121	1	09/03/2021 17:41	WG1734823
Toluene	U		0.00157	0.00603	1	09/03/2021 17:41	WG1734823
Ethylbenzene	U		0.000890	0.00302	1	09/03/2021 17:41	WG1734823
Total Xylenes	U		0.00106	0.00785	1	09/03/2021 17:41	WG1734823
(S) Toluene-d8	*105*			*75.0-131*		*09/03/2021 17:41*	WG1734823
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/03/2021 17:41*	WG1734823
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*09/03/2021 17:41*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.78	4.41	1	09/08/2021 01:42	WG1734026
C28-C36 Motor Oil Range	U		0.302	4.41	1	09/08/2021 01:42	WG1734026
(S) o-Terphenyl	*41.2*			*18.0-148*		*09/08/2021 01:42*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	85.8		10.2	22.2	1	09/02/2021 06:30	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	09/02/2021 17:01	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 17:01*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000572	0.00122	1	09/03/2021 18:00	WG1734823
Toluene	U		0.00159	0.00612	1	09/03/2021 18:00	WG1734823
Ethylbenzene	U		0.000902	0.00306	1	09/03/2021 18:00	WG1734823
Total Xylenes	U		0.00108	0.00796	1	09/03/2021 18:00	WG1734823
(S) Toluene-d8	*105*			*75.0-131*		*09/03/2021 18:00*	WG1734823
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*09/03/2021 18:00*	WG1734823
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*09/03/2021 18:00*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.45	1	09/08/2021 01:55	WG1734026
C28-C36 Motor Oil Range	U		0.305	4.45	1	09/08/2021 01:55	WG1734026
(S) o-Terphenyl	*44.3*			*18.0-148*		*09/08/2021 01:55*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	147		10.2	22.2	1	09/02/2021 06:40	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	09/02/2021 17:22	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 17:22*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000570	0.00122	1	09/03/2021 18:20	WG1734823
Toluene	U		0.00159	0.00610	1	09/03/2021 18:20	WG1734823
Ethylbenzene	U		0.000900	0.00305	1	09/03/2021 18:20	WG1734823
Total Xylenes	U		0.00107	0.00793	1	09/03/2021 18:20	WG1734823
(S) Toluene-d8	*107*			*75.0-131*		*09/03/2021 18:20*	WG1734823
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*09/03/2021 18:20*	WG1734823
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*09/03/2021 18:20*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.44	1	09/08/2021 01:14	WG1734026
C28-C36 Motor Oil Range	U		0.304	4.44	1	09/08/2021 01:14	WG1734026
(S) o-Terphenyl	*45.8*			*18.0-148*		*09/08/2021 01:14*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	189		10.0	21.8	1	09/02/2021 06:50	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	09/02/2021 17:44	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 17:44*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000549	0.00118	1	09/03/2021 18:39	WG1734823
Toluene	U		0.00153	0.00588	1	09/03/2021 18:39	WG1734823
Ethylbenzene	U		0.000867	0.00294	1	09/03/2021 18:39	WG1734823
Total Xylenes	U		0.00104	0.00765	1	09/03/2021 18:39	WG1734823
(S) Toluene-d8	*107*			*75.0-131*		*09/03/2021 18:39*	WG1734823
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*		*09/03/2021 18:39*	WG1734823
(S) 1,2-Dichloroethane-d4	*91.4*			*70.0-130*		*09/03/2021 18:39*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.35	1	09/08/2021 01:28	WG1734026
C28-C36 Motor Oil Range	U		0.298	4.35	1	09/08/2021 01:28	WG1734026
(S) o-Terphenyl	*44.9*			*18.0-148*		*09/08/2021 01:28*	WG1734026

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	66.9		10.4	22.5	1	09/02/2021 07:47	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0245	0.113	1	09/02/2021 18:05	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 18:05*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000586	0.00126	1	09/03/2021 18:58	WG1734823
Toluene	U		0.00163	0.00628	1	09/03/2021 18:58	WG1734823
Ethylbenzene	U		0.000925	0.00314	1	09/03/2021 18:58	WG1734823
Total Xylenes	U		0.00110	0.00816	1	09/03/2021 18:58	WG1734823
(S) Toluene-d8	*108*			*75.0-131*		*09/03/2021 18:58*	WG1734823
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/03/2021 18:58*	WG1734823
(S) 1,2-Dichloroethane-d4	*93.5*			*70.0-130*		*09/03/2021 18:58*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	18.5		1.82	4.51	1	09/04/2021 18:59	WG1734027
C28-C36 Motor Oil Range	60.4		0.309	4.51	1	09/04/2021 18:59	WG1734027
(S) o-Terphenyl	*49.1*			*18.0-148*		*09/04/2021 18:59*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	29.2		9.76	21.2	1	09/02/2021 07:56	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/02/2021 18:27	WG1733792
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/02/2021 18:27*	WG1733792

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000524	0.00112	1	09/03/2021 19:17	WG1734823
Toluene	U		0.00146	0.00561	1	09/03/2021 19:17	WG1734823
Ethylbenzene	U		0.000826	0.00280	1	09/03/2021 19:17	WG1734823
Total Xylenes	U		0.000987	0.00729	1	09/03/2021 19:17	WG1734823
(S) Toluene-d8	*106*			*75.0-131*		*09/03/2021 19:17*	WG1734823
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*09/03/2021 19:17*	WG1734823
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*09/03/2021 19:17*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.79	J	1.71	4.24	1	09/04/2021 18:17	WG1734027
C28-C36 Motor Oil Range	3.96	J	0.291	4.24	1	09/04/2021 18:17	WG1734027
(S) o-Terphenyl	*44.8*			*18.0-148*		*09/04/2021 18:17*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	18.2	J	10.0	21.8	1	09/02/2021 08:06	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0237	0.109	1	09/06/2021 21:25	WG1735730
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/06/2021 21:25*	WG1735730

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000552	0.00118	1	09/03/2021 19:36	WG1734823
Toluene	U		0.00154	0.00591	1	09/03/2021 19:36	WG1734823
Ethylbenzene	U		0.000872	0.00296	1	09/03/2021 19:36	WG1734823
Total Xylenes	U		0.00104	0.00769	1	09/03/2021 19:36	WG1734823
(S) Toluene-d8	*107*			*75.0-131*		*09/03/2021 19:36*	WG1734823
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*09/03/2021 19:36*	WG1734823
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*09/03/2021 19:36*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.76	4.37	1	09/04/2021 15:29	WG1734027
C28-C36 Motor Oil Range	0.588	J	0.299	4.37	1	09/04/2021 15:29	WG1734027
(S) o-Terphenyl	*48.0*			*18.0-148*		*09/04/2021 15:29*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	09/07/2021 08:07	WG1734870

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	12.9	J	9.59	20.8	1	09/02/2021 08:15	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0483	B J	0.0226	0.104	1	09/03/2021 02:56	WG1731196
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*09/03/2021 02:56*	WG1731196

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000507	0.00108	1	09/03/2021 19:56	WG1734823
Toluene	U		0.00141	0.00542	1	09/03/2021 19:56	WG1734823
Ethylbenzene	U		0.000800	0.00271	1	09/03/2021 19:56	WG1734823
Total Xylenes	U		0.000955	0.00705	1	09/03/2021 19:56	WG1734823
(S) Toluene-d8	*109*			*75.0-131*		*09/03/2021 19:56*	WG1734823
(S) 4-Bromofluorobenzene	*97.5*			*67.0-138*		*09/03/2021 19:56*	WG1734823
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*09/03/2021 19:56*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.68	4.17	1	09/04/2021 15:43	WG1734027
C28-C36 Motor Oil Range	U		0.286	4.17	1	09/04/2021 15:43	WG1734027
(S) o-Terphenyl	*50.5*			*18.0-148*		*09/04/2021 15:43*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.8		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	14.4	J	9.70	21.1	1	09/02/2021 08:25	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0457	B J	0.0229	0.105	1	09/03/2021 03:19	WG1731196
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*09/03/2021 03:19*	WG1731196

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000518	0.00111	1	09/03/2021 20:15	WG1734823
Toluene	U		0.00144	0.00554	1	09/03/2021 20:15	WG1734823
Ethylbenzene	U		0.000817	0.00277	1	09/03/2021 20:15	WG1734823
Total Xylenes	U		0.000976	0.00721	1	09/03/2021 20:15	WG1734823
(S) Toluene-d8	*107*			*75.0-131*		*09/03/2021 20:15*	WG1734823
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*09/03/2021 20:15*	WG1734823
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/03/2021 20:15*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.70	4.22	1	09/04/2021 15:57	WG1734027
C28-C36 Motor Oil Range	U		0.289	4.22	1	09/04/2021 15:57	WG1734027
(S) o-Terphenyl	*52.7*			*18.0-148*		*09/04/2021 15:57*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	179		9.76	21.2	1	09/02/2021 08:34	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/04/2021 05:29	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/04/2021 05:29*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000524	0.00112	1	09/03/2021 20:34	WG1734823
Toluene	U		0.00146	0.00561	1	09/03/2021 20:34	WG1734823
Ethylbenzene	U		0.000827	0.00281	1	09/03/2021 20:34	WG1734823
Total Xylenes	U		0.000988	0.00730	1	09/03/2021 20:34	WG1734823
(S) Toluene-d8	*105*			*75.0-131*		*09/03/2021 20:34*	WG1734823
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*09/03/2021 20:34*	WG1734823
(S) 1,2-Dichloroethane-d4	*95.5*			*70.0-130*		*09/03/2021 20:34*	WG1734823

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	25.3		1.71	4.24	1	09/04/2021 19:55	WG1734027
C28-C36 Motor Oil Range	99.5		0.291	4.24	1	09/04/2021 19:55	WG1734027
(S) o-Terphenyl	*53.6*			*18.0-148*		*09/04/2021 19:55*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	83.3		9.60	20.9	1	09/02/2021 08:44	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	09/04/2021 05:50	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 05:50*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000507	0.00109	1	09/03/2021 22:48	WG1734827
Toluene	U		0.00141	0.00543	1	09/03/2021 22:48	WG1734827
Ethylbenzene	U		0.000801	0.00272	1	09/03/2021 22:48	WG1734827
Total Xylenes	U		0.000956	0.00706	1	09/03/2021 22:48	WG1734827
(S) Toluene-d8	*105*			*75.0-131*		*09/03/2021 22:48*	WG1734827
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*09/03/2021 22:48*	WG1734827
(S) 1,2-Dichloroethane-d4	*95.7*			*70.0-130*		*09/03/2021 22:48*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.51	J	1.68	4.17	1	09/04/2021 18:31	WG1734027
C28-C36 Motor Oil Range	5.90		0.286	4.17	1	09/04/2021 18:31	WG1734027
(S) o-Terphenyl	*54.1*			*18.0-148*		*09/04/2021 18:31*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	209		9.66	21.0	1	09/02/2021 09:12	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0228	0.105	1	09/04/2021 06:12	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 06:12*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000514	0.00110	1	09/03/2021 23:07	WG1734827
Toluene	U		0.00143	0.00550	1	09/03/2021 23:07	WG1734827
Ethylbenzene	U		0.000811	0.00275	1	09/03/2021 23:07	WG1734827
Total Xylenes	U		0.000969	0.00715	1	09/03/2021 23:07	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/03/2021 23:07*	WG1734827
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*09/03/2021 23:07*	WG1734827
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*09/03/2021 23:07*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.69	4.20	1	09/04/2021 17:49	WG1734027
C28-C36 Motor Oil Range	1.87	J	0.288	4.20	1	09/04/2021 17:49	WG1734027
(S) o-Terphenyl	*51.5*			*18.0-148*		*09/04/2021 17:49*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	37.7		10.1	22.0	1	09/02/2021 09:22	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0238	0.110	1	09/04/2021 06:33	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 06:33*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000559	0.00120	1	09/03/2021 23:26	WG1734827
Toluene	U		0.00156	0.00598	1	09/03/2021 23:26	WG1734827
Ethylbenzene	U		0.000882	0.00299	1	09/03/2021 23:26	WG1734827
Total Xylenes	U		0.00105	0.00778	1	09/03/2021 23:26	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/03/2021 23:26*	WG1734827
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*09/03/2021 23:26*	WG1734827
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*09/03/2021 23:26*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.77	4.39	1	09/04/2021 15:01	WG1734027
C28-C36 Motor Oil Range	0.332	J	0.301	4.39	1	09/04/2021 15:01	WG1734027
(S) o-Terphenyl	*54.2*			*18.0-148*		*09/04/2021 15:01*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	23.1		10.2	22.2	1	09/02/2021 09:31	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	09/04/2021 06:55	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 06:55*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000569	0.00122	1	09/03/2021 23:45	WG1734827
Toluene	U		0.00158	0.00609	1	09/03/2021 23:45	WG1734827
Ethylbenzene	U		0.000898	0.00305	1	09/03/2021 23:45	WG1734827
Total Xylenes	U		0.00107	0.00792	1	09/03/2021 23:45	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/03/2021 23:45*	WG1734827
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*09/03/2021 23:45*	WG1734827
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*09/03/2021 23:45*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.44	1	09/04/2021 15:15	WG1734027
C28-C36 Motor Oil Range	0.315	J	0.304	4.44	1	09/04/2021 15:15	WG1734027
(S) o-Terphenyl	*40.5*			*18.0-148*		*09/04/2021 15:15*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	17.5	J	10.2	22.1	1	09/02/2021 09:50	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0240	0.110	1	09/04/2021 07:16	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 07:16*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000564	0.00121	1	09/04/2021 00:04	WG1734827
Toluene	U		0.00157	0.00604	1	09/04/2021 00:04	WG1734827
Ethylbenzene	U		0.000890	0.00302	1	09/04/2021 00:04	WG1734827
Total Xylenes	U		0.00106	0.00785	1	09/04/2021 00:04	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 00:04*	WG1734827
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*09/04/2021 00:04*	WG1734827
(S) 1,2-Dichloroethane-d4	*94.7*			*70.0-130*		*09/04/2021 00:04*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.78	4.42	1	09/04/2021 16:11	WG1734027
C28-C36 Motor Oil Range	U		0.302	4.42	1	09/04/2021 16:11	WG1734027
(S) o-Terphenyl	*44.1*			*18.0-148*		*09/04/2021 16:11*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	22.5	J	11.2	24.4	1	09/02/2021 10:00	WG1733212

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0265	0.122	1	09/04/2021 07:38	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 07:38*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000675	0.00144	1	09/04/2021 00:23	WG1734827
Toluene	U		0.00188	0.00722	1	09/04/2021 00:23	WG1734827
Ethylbenzene	U		0.00106	0.00361	1	09/04/2021 00:23	WG1734827
Total Xylenes	U		0.00127	0.00939	1	09/04/2021 00:23	WG1734827
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 00:23*	WG1734827
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*09/04/2021 00:23*	WG1734827
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*09/04/2021 00:23*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.97	4.89	1	09/04/2021 16:25	WG1734027
C28-C36 Motor Oil Range	U		0.335	4.89	1	09/04/2021 16:25	WG1734027
(S) o-Terphenyl	*47.3*			*18.0-148*		*09/04/2021 16:25*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	272		10.2	22.1	1	09/01/2021 19:29	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0240	0.110	1	09/04/2021 08:00	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 08:00*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000565	0.00121	1	09/04/2021 00:42	WG1734827
Toluene	U		0.00157	0.00605	1	09/04/2021 00:42	WG1734827
Ethylbenzene	U		0.000892	0.00302	1	09/04/2021 00:42	WG1734827
Total Xylenes	U		0.00106	0.00786	1	09/04/2021 00:42	WG1734827
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 00:42*	WG1734827
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/04/2021 00:42*	WG1734827
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*09/04/2021 00:42*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	31.9		1.78	4.42	1	09/04/2021 19:41	WG1734027
C28-C36 Motor Oil Range	123		0.303	4.42	1	09/04/2021 19:41	WG1734027
(S) o-Terphenyl	*54.5*			*18.0-148*		*09/04/2021 19:41*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	09/07/2021 07:59	WG1734872

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	262		9.76	21.2	1	09/01/2021 19:38	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/04/2021 08:21	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 08:21*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000524	0.00112	1	09/04/2021 01:02	WG1734827
Toluene	U		0.00146	0.00561	1	09/04/2021 01:02	WG1734827
Ethylbenzene	U		0.000828	0.00281	1	09/04/2021 01:02	WG1734827
Total Xylenes	U		0.000988	0.00730	1	09/04/2021 01:02	WG1734827
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 01:02*	WG1734827
(S) 4-Bromofluorobenzene	*98.8*			*67.0-138*		*09/04/2021 01:02*	WG1734827
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*09/04/2021 01:02*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	8.88		1.71	4.25	1	09/04/2021 18:45	WG1734027
C28-C36 Motor Oil Range	34.2		0.291	4.25	1	09/04/2021 18:45	WG1734027
(S) o-Terphenyl	*57.7*			*18.0-148*		*09/04/2021 18:45*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.4		1	09/07/2021 07:49	WG1734874

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	691		10.1	21.9	1	09/01/2021 19:47	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0238	0.109	1	09/04/2021 08:43	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 08:43*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000555	0.00119	1	09/04/2021 01:21	WG1734827
Toluene	U		0.00155	0.00594	1	09/04/2021 01:21	WG1734827
Ethylbenzene	U		0.000876	0.00297	1	09/04/2021 01:21	WG1734827
Total Xylenes	U		0.00105	0.00773	1	09/04/2021 01:21	WG1734827
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 01:21*	WG1734827
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*09/04/2021 01:21*	WG1734827
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*09/04/2021 01:21*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.76	4.38	1	09/04/2021 16:39	WG1734027
C28-C36 Motor Oil Range	U		0.300	4.38	1	09/04/2021 16:39	WG1734027
(S) o-Terphenyl	*49.1*			*18.0-148*		*09/04/2021 16:39*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	09/07/2021 07:49	WG1734874

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	246		10.6	23.0	1	09/01/2021 19:57	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0250	0.115	1	09/04/2021 09:04	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 09:04*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000609	0.00130	1	09/04/2021 01:40	WG1734827
Toluene	U		0.00170	0.00652	1	09/04/2021 01:40	WG1734827
Ethylbenzene	U		0.000962	0.00326	1	09/04/2021 01:40	WG1734827
Total Xylenes	U		0.00115	0.00848	1	09/04/2021 01:40	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 01:40*	WG1734827
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*09/04/2021 01:40*	WG1734827
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/04/2021 01:40*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.85	4.61	1	09/04/2021 16:53	WG1734027
C28-C36 Motor Oil Range	U		0.316	4.61	1	09/04/2021 16:53	WG1734027
(S) o-Terphenyl	*49.1*			*18.0-148*		*09/04/2021 16:53*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	09/07/2021 07:49	WG1734874

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	51.1		10.1	22.0	1	09/01/2021 20:06	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	09/04/2021 09:26	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 09:26*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000563	0.00121	1	09/04/2021 01:59	WG1734827
Toluene	U		0.00157	0.00603	1	09/04/2021 01:59	WG1734827
Ethylbenzene	U		0.000888	0.00301	1	09/04/2021 01:59	WG1734827
Total Xylenes	U		0.00106	0.00783	1	09/04/2021 01:59	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 01:59*	WG1734827
(S) 4-Bromofluorobenzene	*96.6*			*67.0-138*		*09/04/2021 01:59*	WG1734827
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/04/2021 01:59*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.77	4.41	1	09/04/2021 17:07	WG1734027
C28-C36 Motor Oil Range	0.520	J	0.302	4.41	1	09/04/2021 17:07	WG1734027
(S) o-Terphenyl	*53.7*			*18.0-148*		*09/04/2021 17:07*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	09/07/2021 07:49	WG1734874

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	30.0		10.2	22.2	1	09/01/2021 20:16	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0241	0.111	1	09/04/2021 09:47	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 09:47*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000571	0.00122	1	09/04/2021 02:18	WG1734827
Toluene	U		0.00159	0.00611	1	09/04/2021 02:18	WG1734827
Ethylbenzene	U		0.000901	0.00306	1	09/04/2021 02:18	WG1734827
Total Xylenes	U		0.00108	0.00795	1	09/04/2021 02:18	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 02:18*	WG1734827
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*		*09/04/2021 02:18*	WG1734827
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*09/04/2021 02:18*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.44	1	09/04/2021 17:21	WG1734027
C28-C36 Motor Oil Range	U		0.304	4.44	1	09/04/2021 17:21	WG1734027
(S) o-Terphenyl	*44.9*			*18.0-148*		*09/04/2021 17:21*	WG1734027

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	09/07/2021 07:49	WG1734874

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	15.5	J	9.76	21.2	1	09/01/2021 20:25	WG1733222

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/04/2021 10:09	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 10:09*	WG1734725

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000524	0.00112	1	09/04/2021 02:38	WG1734827
Toluene	U		0.00146	0.00561	1	09/04/2021 02:38	WG1734827
Ethylbenzene	U		0.000826	0.00280	1	09/04/2021 02:38	WG1734827
Total Xylenes	U		0.000987	0.00729	1	09/04/2021 02:38	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 02:38*	WG1734827
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*09/04/2021 02:38*	WG1734827
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*09/04/2021 02:38*	WG1734827

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.71	4.24	1	09/04/2021 17:35	WG1734027
C28-C36 Motor Oil Range	U		0.291	4.24	1	09/04/2021 17:35	WG1734027
(S) o-Terphenyl	*51.7*			*18.0-148*		*09/04/2021 17:35*	WG1734027

Method Blank (MB)

(MB) R3701539-1 09/07/21 08:24

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1396397-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-01 09/07/21 08:24 • (DUP) R3701539-3 09/07/21 08:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.5	94.0	1	0.530		10

Laboratory Control Sample (LCS)

(LCS) R3701539-2 09/07/21 08:24

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3701537-1 09/07/21 08:17

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1396397-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-12 09/07/21 08:17 • (DUP) R3701537-3 09/07/21 08:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.6	92.6	1	0.00162		10

Laboratory Control Sample (LCS)

(LCS) R3701537-2 09/07/21 08:17

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3701532-1 09/07/21 08:07

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1396397-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-23 09/07/21 08:07 • (DUP) R3701532-3 09/07/21 08:07

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.0	89.4	1	0.660		10

Laboratory Control Sample (LCS)

(LCS) R3701532-2 09/07/21 08:07

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3701530-1 09/07/21 07:59

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1396397-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-34 09/07/21 07:59 • (DUP) R3701530-3 09/07/21 07:59

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.1	91.4	1	0.327		10

Laboratory Control Sample (LCS)

(LCS) R3701530-2 09/07/21 07:59

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3701519-1 09/07/21 07:49

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1396424-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1396424-01 09/07/21 07:49 • (DUP) R3701519-3 09/07/21 07:49

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.0	93.2	1	0.280		10

Laboratory Control Sample (LCS)

(LCS) R3701519-2 09/07/21 07:49

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3698383-1 08/30/21 16:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1395969-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1395969-02 08/30/21 17:08 • (DUP) R3698383-3 08/30/21 17:18

Analyte	Original Result (dry) %	DUP Result (dry) %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1370	1300	10	1.61		20

L1396397-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-15 08/30/21 20:47 • (DUP) R3698383-6 08/30/21 20:57

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	89.4	90.1	1	0.796		20

Laboratory Control Sample (LCS)

(LCS) R3698383-2 08/30/21 16:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	195	97.7	90.0-110	

L1395969-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1395969-02 08/30/21 17:08 • (MS) R3698383-4 08/30/21 17:27 • (MSD) R3698383-5 08/30/21 17:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	1370	2420	1490	229	42.9	10	80.0-120	J5	J3 J6	47.6	20

Method Blank (MB)

(MB) R3700060-7 09/02/21 16:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1396397-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-25 09/02/21 06:50 • (DUP) R3700060-3 09/02/21 07:18

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	189	214	1	12.3		20

L1396397-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1396397-35 09/02/21 09:31 • (DUP) R3700060-6 09/02/21 09:41

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	23.1	23.4	1	1.60		20

Laboratory Control Sample (LCS)

(LCS) R3700060-2 09/02/21 05:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	195	97.5	90.0-110	

L1396397-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396397-25 09/02/21 06:50 • (MS) R3700060-4 09/02/21 07:28 • (MSD) R3700060-5 09/02/21 07:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	544	189	654	722	85.6	98.1	1	80.0-120			9.88	20

Method Blank (MB)

(MB) R3700061-1 09/01/21 18:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1396424-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1396424-21 09/01/21 20:35 • (DUP) R3700061-3 09/01/21 21:03

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	58.2	64.8	1	10.9		20

L1396430-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1396430-05 09/01/21 22:32 • (DUP) R3700061-4 09/01/21 23:00

Analyte	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	815	760	1	6.89		20

Laboratory Control Sample (LCS)

(LCS) R3700061-2 09/01/21 18:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	196	98.0	90.0-110	

L1396430-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396430-05 09/01/21 22:32 • (MS) R3700061-5 09/01/21 23:10 • (MSD) R3700061-6 09/01/21 23:19

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	815	1630	1380	139	97.0	1	80.0-120	E J5	E	16.4	20

Method Blank (MB)

(MB) R3700749-2 09/02/21 19:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0355	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3700749-1 09/02/21 18:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.75	86.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

Method Blank (MB)

(MB) R3699431-3 09/01/21 13:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3699431-2 09/01/21 12:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.02	91.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*95.0*	*77.0-120*	

L1396397-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396397-02 09/01/21 16:29 • (MS) R3699431-6 09/02/21 06:13 • (MSD) R3699431-7 09/02/21 06:35

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	6.06	U	2.94	2.47	48.5	40.7	1	10.0-151			17.5	28
(S) a,a,a-Trifluorotoluene(FID)					*84.8*	*98.5*		*77.0-120*				

Method Blank (MB)

(MB) R3700523-3 09/02/21 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3700523-1 09/02/21 09:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.07	92.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R3701276-2 09/04/21 05:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3701276-1 09/04/21 04:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.67	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*99.6*	*77.0-120*	

L1396397-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396397-33 09/04/21 06:12 • (MS) R3701276-3 09/04/21 13:05 • (MSD) R3701276-4 09/04/21 13:26

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.78	U	4.35	3.71	75.3	64.2	1	10.0-151			15.9	28
(S) a,a,a-Trifluorotoluene(FID)					*101*	*100*		*77.0-120*				

Method Blank (MB)

(MB) R3701139-3 09/06/21 16:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3701139-2 09/06/21 15:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.19	94.4	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

Method Blank (MB)

(MB) R3700541-2 09/03/21 11:41

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*89.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3700541-1 09/03/21 11:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.128	102	70.0-123	
Ethylbenzene	0.125	0.125	100	74.0-126	
Toluene	0.125	0.125	100	75.0-121	
Xylenes, Total	0.375	0.356	94.9	72.0-127	
(S) Toluene-d8			*101*	*75.0-131*	
(S) 4-Bromofluorobenzene			*101*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*101*	*70.0-130*	

Method Blank (MB)

(MB) R3700538-3 09/03/21 22:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3700538-1 09/03/21 21:12 • (LCSD) R3700538-2 09/03/21 21:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.112	0.121	89.6	96.8	70.0-123			7.73	20
Ethylbenzene	0.125	0.114	0.121	91.2	96.8	74.0-126			5.96	20
Toluene	0.125	0.118	0.119	94.4	95.2	75.0-121			0.844	20
Xylenes, Total	0.375	0.325	0.360	86.7	96.0	72.0-127			10.2	20
(S) Toluene-d8				*104*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.8*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*100*	*70.0-130*				

L1396424-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396424-06 09/04/21 04:52 • (MS) R3700538-4 09/04/21 05:11 • (MSD) R3700538-5 09/04/21 05:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.145	U	0.0534	0.103	36.8	71.0	1	10.0-149		J3	63.4	37
Ethylbenzene	0.145	U	0.0543	0.106	37.4	73.1	1	10.0-160		J3	64.5	38
Toluene	0.145	U	0.0555	0.105	38.2	72.5	1	10.0-156		J3	61.8	38
Xylenes, Total	0.435	U	0.150	0.297	34.4	68.3	1	10.0-160		J3	66.0	38
(S) Toluene-d8					*106*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*98.4*	*96.0*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*100*	*96.6*		*70.0-130*				

Method Blank (MB)

(MB) R3700555-3 09/04/21 02:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.6*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3700555-1 09/04/21 01:36 • (LCSD) R3700555-2 09/04/21 01:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.119	0.122	95.2	97.6	70.0-123			2.49	20
Ethylbenzene	0.125	0.118	0.117	94.4	93.6	74.0-126			0.851	20
Toluene	0.125	0.123	0.125	98.4	100	75.0-121			1.61	20
Xylenes, Total	0.375	0.386	0.394	103	105	72.0-127			2.05	20
(S) Toluene-d8				*102*	*103*	*75.0-131*				
(S) 4-Bromofluorobenzene				*105*	*105*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*88.4*	*90.8*	*70.0-130*				

Method Blank (MB)

(MB) R3700719-3 09/05/21 06:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*90.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3700719-1 09/05/21 05:31 • (LCSD) R3700719-2 09/05/21 05:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Xylenes, Total	0.375	0.337	0.334	89.9	89.1	72.0-127			0.894	20
(S) Toluene-d8				*104*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*88.9*	*94.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*94.8*	*92.2*	*70.0-130*				

Method Blank (MB)

(MB) R3701022-1 09/04/21 04:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*59.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3701022-2 09/04/21 04:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	35.3	70.6	50.0-150	
(S) o-Terphenyl			*63.8*	*18.0-148*	

Method Blank (MB)

(MB) R3702000-1 09/08/21 00:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*43.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3702000-2 09/08/21 00:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.2	72.4	50.0-150	
(S) o-Terphenyl			*54.1*	*18.0-148*	

L1396397-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396397-09 09/08/21 02:36 • (MS) R3702000-3 09/08/21 02:49 • (MSD) R3702000-4 09/08/21 03:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	51.7	2.43	32.8	37.0	58.7	66.1	1	50.0-150			12.2	20
(S) o-Terphenyl					*40.6*	*46.3*		*18.0-148*				

Method Blank (MB)

(MB) R3700504-1 09/04/21 03:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*52.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3700504-2 09/04/21 04:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	32.4	64.8	50.0-150	
(S) o-Terphenyl			*47.0*	*18.0-148*	

L1396397-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396397-26 09/04/21 18:59 • (MS) R3700504-3 09/04/21 19:13 • (MSD) R3700504-4 09/04/21 19:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	55.7	18.5	58.5	61.0	71.9	76.6	1	50.0-150			4.15	20
(S) o-Terphenyl					*35.6*	*35.2*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

D146

Analysis Request of Chain of Custody Record

Page : 01 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU 2963-002	**Contact Info:**	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	**Project #:**	212C-MD-02492
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
-01	BH-1 (0'-1')	8-23			X				X			1	N	X		X												X					
-02	↓ (2'-3')																																
-03	↓ (4'-5')																																
-04	BH-2 (0'-1')																																
-05	↓ (2-3)																																
-06	↓ (4-5)																																
-07	BH-3 (0-1)																																
-08	↓ (2-3)																																
-09	↓ (4-5)																																
-10	BH-4 (0-1)	↓			↓				↓			↓	↓	↓		↓												↓					

Relinquished by: Joe Tyler	Date: 8-27-21	Time: 13:0	Received by:	Date: 8/27/21	Time: 1300
Relinquished by:	Date: 8-27-21	Time: 1630	Received by: SwA	Date: 8-27-21	Time: 16:30
Relinquished by:	Date:	Time:	Received by:	Date: 8-28-21	Time: 0915

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- ☒ Standard
- ☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

2.3+0=2.3
A201

Analysis Request of Chain of Custody Record

Page : 02 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

U396397

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU #2963-002	**Contact Info:**	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	**Project #:**	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
-11	BH-4 (2'-3')	8-23			X			X		1	N	X		X												X				
-12	(4'-5')																													
-13	BH-5 (0-1)																													
-14	(2-3)																													
-15	(4-5)																													
-16	BH-6 (0-1)																													
-17	(2-3)																													
-18	(4-5)																													
-19	BH-7 (0-1)																													
-20	(2-3)																													

Relinquished by: Joe Tyler	Date: 8-27-21	Time: 13:00	Received by: [signature]
Relinquished by: [signature]	Date: 8-27-21	Time: 16:30	Received by: SSA
Relinquished by:	Date:	Time:	Received by: [signature]

Received by: [signature]	Date: 8-27-21	Time: 13:00	
Received by: SSA	Date: 8-27-21	Time: 1620	
Received by: [signature]	Date: 8-28-21	Time: 0915	

LAB USE ONLY

Sample Temperature

REMARKS:

- [x] Standard
- [ ] RUSH: Same Day 24 hr. 48 hr. 72 hr.
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

2.3+0=2.3
AZDT

Analysis Request of Chain of Custody Record

Page : 03 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU 2963-002	**Contact Info:**	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	**Project #:**	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
-21	BH-7 (4-5)	8-23			X			X		1	N	X		X												X					
-22	(6-7)																														
-23	(9-10)																														
-24	(14-15)																														
-25	(19-20)																														
-26	BH-8 (0-1)																														
-27	(2-3)																														
-28	(4-5)																														
-29	(6-7)																														
-30	(9-10)																														

Relinquished by: Joe Tyler	Date: 8-27-21	Time: 8:00	Received by:	Date: 8-27-21	Time: 13:00
Relinquished by:	Date: 8-27-21	Time: 16:20	Received by:	Date: 8-27-21	Time: 16:30
Relinquished by:	Date:	Time:	Received by:	Date: 8-28-21	Time: 08:15

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- ☒ Standard
- ☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

2.3 to 2.3
AZT

Analysis Request of Chain of Custody Record

Page : 04 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

U1396397

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EUGSAU 2963-002	**Contact Info:**	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	**Project #:**	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-31	BH-9 (0-1)	8-23			X				X			1	N	X		X												X	X					
-32	(2-3)																																	
-33	(4-5)																																	
-34	(6-7)																																	
-35	(9-10)																																	
-36	(14-15)																																	
-37	(19-20)																																	
-38	BH-10 (0-1)																																	
-39	(2-3)																																	
-40	(4-5)																																	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Joe Tyler	8-27-21	1630		8-27-21	1630
	8-27-21	1630		8-27-21	1630
				8-28-21	0915

LAB USE ONLY

Sample Temperature

REMARKS:

- [x] Standard
- [ ] RUSH: Same Day 24 hr. 48 hr. 72 hr.
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

2.3 to 2.3
A20T

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page : 05 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EUGSAU 2963-002	**Contact Info:**	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	**Project #:**	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-41	BH-10 (6-7)	8.23			X				X			1	N	X		X												X						
-42	(9-10)																																	
-43	(14-15)																																	
-44	(19-20)																																	

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

Relinquished by: Joe Tyler	Date: 8.27.21	Time: 13:00	Received by:	Date: 8.27.21	Time: 13:00
Relinquished by:	Date: 8.27.21	Time: 16:30	Received by:	Date: 8.27.21	Time: 16:30
Relinquished by:	Date:	Time:	Received by:	Date: 8-28-21	Time: 0915

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- [x] Standard
- [ ] RUSH: Same Day 24 hr. 48 hr. 72 hr.
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

2.3+0=23
#25T

nalysis Request of Chain of Custody Record

Page 01 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

lient Name:	ConocoPhillips	Site Manager:	Christian Llull
roject Name:	EVGSAU 2963-002	Contact Info:	Email christian.llull@tetratech.com Phone
roject Location: County, State)	Lea County, New Mexico	Project #:	212C-MD-02492
voice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
eceiving Laboratory:	Pace Analytical	Sampler Signature:	Joe Tyler
omments:	COPTETRA		

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	HNO3	ICE	NONE	# CONTAINERS	FILTERED (Y/N)
	L1396397	YEAR 2021									
-01	BH-1 (0'-1')	8.23			X			X		1	N
-02	(2'-3')										
-03	(4'-5')										
-04	BH-2 (0'-1')										
-05	(2-3)										
-06	(4-5)										
-07	BH-3 (0-1)										
-08	(2-3)										
-09	(4-5)										
-10	BH-4 (0-1)										

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
X		X												X						

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	5-27-21	13:00		5/27/21	13:00
	5/27/21	1630	SWA	5-27-21	1630
				5-28-21	0915

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- [x] Standard
- [ ] RUSH: Same Day 24 hr. 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

2.3+0=2.3
AS25T

Analysis Request of Chain of Custody Record

Page 02 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

U3916397

Client Name:	ConocoPhillips	Site Manager:	Christian Llull
Project Name:	EVGSAU #2963-002	Contact Info:	Email: christian.llull@tetratech.com Phone
Project Location: (County, State)	Lea County, New Mexico	Project #:	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	HNO3	ICE	NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B 624	GC/MS Semi Vol 8270C/625	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-11	BH-4 (0'-3')	8-23			X			X		1	N	X		X												X						
-12	↓ (4'-5')	↓			↓			↓		1	↓	↓		↓												↓						
-13	BH-5 (0-1)																															
-14	↓ (2-3)																															
-15	↓ (4-5)																															
-16	BH-6 (0-1)																															
-17	↓ (2-3)																															
-18	↓ (4-5)																															
-19	BH-7 ~~(0-1)~~ (3-4)																															
-20	↓ ~~(2-3)~~ (5-6)	↓			↓			↓		↓	↓	↓		↓												↓						

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	8.27.21	13:00		8-27-21	13:00
Relinquished by	Date	Time	Received by	Date	Time
	8.27.21	16:30		8-27-21	16:30
Relinquished by	Date	Time	Received by	Date	Time
				8-27-21	21:15

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

- [X] Standard
- [ ] RUSH: Same Day 24 hr. 48 hr. 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

2.3+0=2.3
+2.5T

Analysis Request of Chain of Custody Record

Page 03 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

Client Name:	ConocoPhillips	Site Manager:	Christian Llull
Project Name:	EVGSAU 2963-002	Contact Info:	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	Project #:	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Joe Tyler
Comments:	COPTETRA		

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2021 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)
-21	BH-7 ~~(4-5)~~ (7-8)	8-23			X				X		1	N
-22	~~(6-7)~~ (9-10)											
-23	~~(9-10)~~ (12-13)											
-24	~~(14-15)~~ (17-18)											
-25	~~(19-20)~~ (22-23)											
-26	BH-8 ~~(0-1)~~ (1-2)											
-27	~~(2-3)~~ (3-4)											
-28	~~(4-5)~~ (5-6)											
-29	~~(6-7)~~ (7-8)											
-30	~~(9-10)~~ (10-11)											

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol 8260B / 624	GC/MS Semi Vol 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
X		X												X					

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler	5-27-21	8:00		5-27-21	13:00
	5-27-21	16:20		5-27-21	16:30
Relinquished by:	Date	Time	Received by	Date	Time
			ORIGINAL COPY		

LAB USE ONLY

Sample Temperature

REMARKS:

- [x] Standard
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

2.3 to 2.3
AZOT

Analysis Request of Chain of Custody Record

Page 04 of 05

Tetra Tech, Inc.

901 West Wall Street, Suite 100, Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

Client Name:	ConocoPhillips	Site Manager:	Christian Llull
Project Name:	EVGSAU 2963-002	Contact Info:	Email: christian.llull@tetratech.com Phone
Project Location: (County, State)	Lea County, New Mexico	Project #:	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST (Circle or Specify Method No.)

Year: 2021. Matrix: Soil. Preservative: Ice. Analyses marked: BTEX 8021B / BTEX 8260B; TPH 8015M (GRO - DRO - ORO - MRO); Chloride 300.0 (Chloride Sulfate TDS noted "%").

LAB # (LAB USE ONLY) L1396397	SAMPLE IDENTIFICATION	DATE	TIME	WATER	SOIL	HCL	HNO3	ICE	NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
-31	BH-9 ~~(0-1)~~ (1-2)	8-23			X			X		1	N	X		X												X	%				
-32	BH-9 ~~(2-3)~~ (3-4)	8-23			X			X		1	N	X		X												X					
-33	BH-9 ~~(4-5)~~ (5-6)	8-23			X			X		1	N	X		X												X					
-34	BH-9 ~~(6-7)~~ (7-8)	8-23			X			X		1	N	X		X												X					
-35	BH-9 ~~(9-10)~~ (10-11)	8-23			X			X		1	N	X		X												X					
-36	BH-9 ~~(14-15)~~ (15-16)	8-23			X			X		1	N	X		X												X					
-37	BH-9 ~~(19-20)~~ (20-21)	8-23			X			X		1	N	X		X												X					
-38	BH-10 ~~(0-1)~~ (3-4)	8-23			X			X		1	N	X		X												X					
-39	BH-10 ~~(2-3)~~ (5-6)	8-23			X			X		1	N	X		X												X					
-40	BH-10 ~~(4-5)~~ (7-8)	8-23			X			X		1	N	X		X												X					

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Joe Tyler	8-27-21	13:00	[signature]	8-27-21	13:00
[signature]	8-27-21	16:30	[signature]	8-27-21	16:30
			[signature]	8-28-21	09:15

LAB USE ONLY

Sample Temperature

REMARKS:
- [X] Standard
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

2.3+0=2.3
#205

Analysis Request of Chain of Custody Record

Page 05 of 05

Tetra Tech, Inc.

901 West Wall Street Suite 100 Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1396397

Client Name:	ConocoPhillips	Site Manager:	Christian Llull
Project Name:	EVGSAU 2963-002	Contact Info:	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	Project #:	
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Joe Tyler
Comments:	COPTETRA		

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY) L1396397	SAMPLE IDENTIFICATION	DATE (YEAR 2021)	TIME	WATER	SOIL	HCL	HNO3	ICE	NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-41	BH-10 ~~(6-7)~~ (9-10)	8.23			X			X		1	N	X		X												X						
-42	BH-10 ~~(9-10)~~ (12-13)	8.23			X			X		1	N	X		X												X						
-43	BH-10 ~~(14-15)~~ (17-18)	8.23			X			X		1	N	X		X												X						
-44	BH-10 ~~(19-20)~~ (22-23)	8.23			X			X		1	N	X		X												X						

Sample Receipt Checklist: Seal Present/Intact; Signed/Accurate; Arrived intact; Correct bottles used; Sufficient volume sent; If Applicable; ...

Relinquished by	Date	Time	Received by	Date	Time
Joe Tyler (signature)	8-27-21	13:00	(signature)	8-27-21	13:00
(signature)	8-27-21	16:30	(signature)	8-27-21	16:30
			(signature)	8-28-21	09:15

LAB USE ONLY

Sample Temperature

REMARKS:
- [X] Standard
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY

2.3+0=2.3
#20T

ANALYTICAL REPORT

October 05, 2021

ConocoPhillips - Tetra Tech

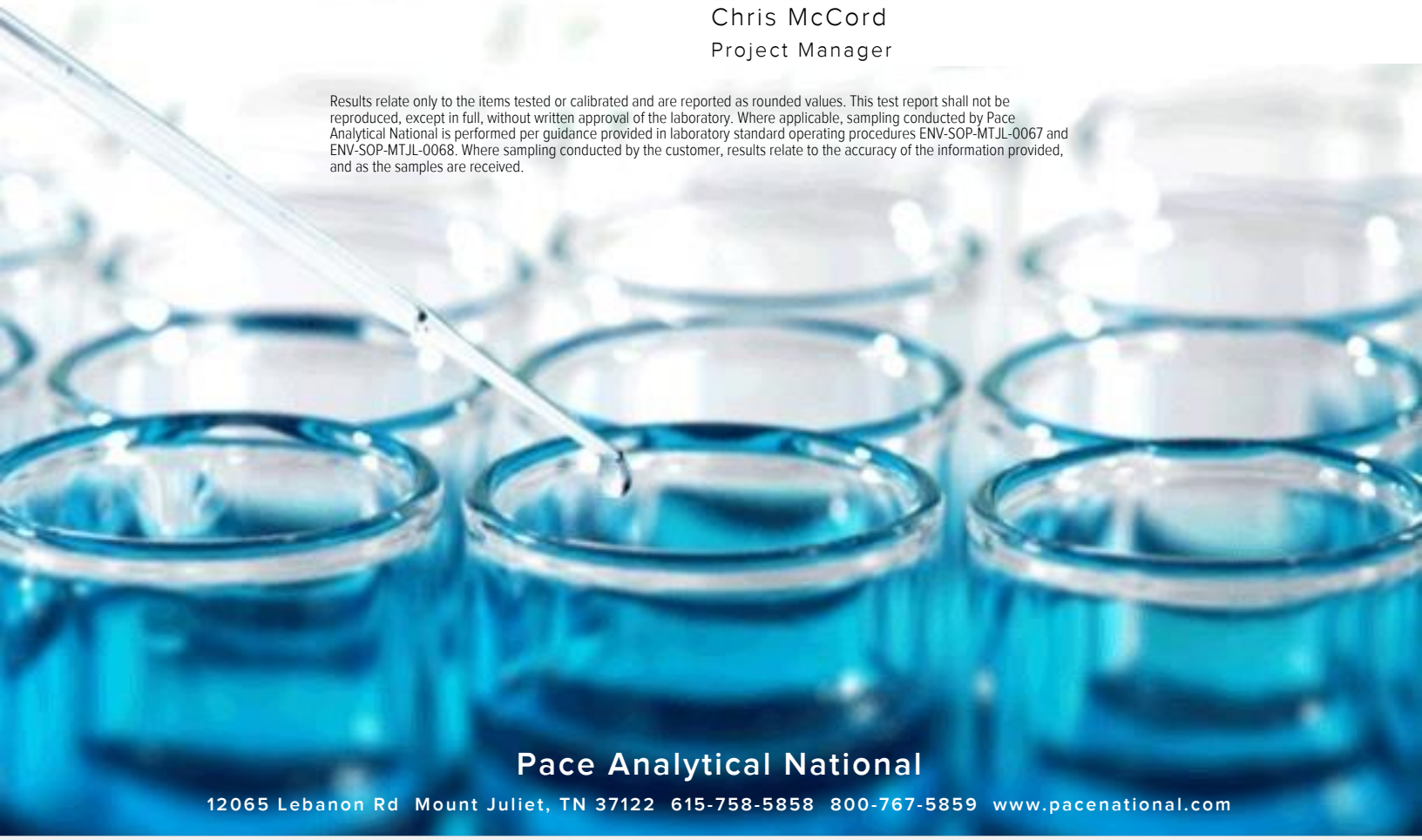
Sample Delivery Group:	L1407434
Samples Received:	09/22/2021
Project Number:	212C-MD-02492TASK200
Description:	EVGSAU 2963-002

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

Entire Report Reviewed By:

Chris McCord
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

AH-1 (0-1') L1407434-01 Solid

Collected by: Devin Dominguez | Collected date/time: 09/20/21 11:00 | Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747735	1	09/29/21 12:58	09/29/21 13:04	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 21:42	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1750716	1	09/24/21 16:44	10/04/21 03:43	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746386	1	09/24/21 16:44	09/25/21 04:31	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	1	10/01/21 11:58	10/02/21 21:56	JN	Mt. Juliet, TN

AH-2 (0-1') L1407434-02 Solid

Collected by: Devin Dominguez | Collected date/time: 09/20/21 11:10 | Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747751	1	09/29/21 09:20	09/29/21 09:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 21:51	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1750716	1	09/24/21 16:44	10/04/21 04:07	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746386	1	09/24/21 16:44	09/25/21 04:51	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	1	10/01/21 11:58	10/02/21 23:31	JN	Mt. Juliet, TN

AH-3 (0-1') L1407434-03 Solid

Collected by: Devin Dominguez | Collected date/time: 09/20/21 11:20 | Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747751	1	09/29/21 09:20	09/29/21 09:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 22:01	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1750716	1	09/24/21 16:44	10/04/21 04:30	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746386	1	09/24/21 16:44	09/25/21 05:10	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	50	10/01/21 11:58	10/03/21 00:12	JN	Mt. Juliet, TN

AH-4 (0-1') L1407434-04 Solid

Collected by: Devin Dominguez | Collected date/time: 09/20/21 11:30 | Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747751	1	09/29/21 09:20	09/29/21 09:30	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 22:10	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1749966	1	09/24/21 16:44	10/02/21 08:19	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746386	1	09/24/21 16:44	09/25/21 05:29	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	1	10/01/21 11:58	10/02/21 23:59	JN	Mt. Juliet, TN

AH-5 (0-1') L1407434-05 Solid

Collected by: Devin Dominguez | Collected date/time: 09/20/21 11:40 | Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747792	1	09/29/21 09:03	09/29/21 09:17	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 22:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1749966	1	09/24/21 16:44	10/02/21 08:41	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746386	1	09/24/21 16:44	09/25/21 05:48	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	1	10/01/21 11:58	10/02/21 23:18	JN	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	09/29/2021 13:04	WG1747735

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	223		10.9	23.7	1	09/29/2021 21:42	WG1748692

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0257	0.119	1	10/04/2021 03:43	WG1750716
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*10/04/2021 03:43*	WG1750716

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000642	0.00137	1	09/25/2021 04:31	WG1746386
Toluene	U		0.00179	0.00687	1	09/25/2021 04:31	WG1746386
Ethylbenzene	U		0.00101	0.00344	1	09/25/2021 04:31	WG1746386
Total Xylenes	U		0.00121	0.00893	1	09/25/2021 04:31	WG1746386
(S) Toluene-d8	*109*			*75.0-131*		*09/25/2021 04:31*	WG1746386
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*		*09/25/2021 04:31*	WG1746386
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*09/25/2021 04:31*	WG1746386

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.91	4.75	1	10/02/2021 21:56	WG1749721
C28-C36 Motor Oil Range	1.87	J	0.325	4.75	1	10/02/2021 21:56	WG1749721
(S) o-Terphenyl	*42.0*			*18.0-148*		*10/02/2021 21:56*	WG1749721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	09/29/2021 09:30	WG1747751

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	17.0	J	11.6	25.2	1	09/29/2021 21:51	WG1748692

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0273	0.126	1	10/04/2021 04:07	WG1750716
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-120*		*10/04/2021 04:07*	WG1750716

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000710	0.00152	1	09/25/2021 04:51	WG1746386
Toluene	U		0.00198	0.00760	1	09/25/2021 04:51	WG1746386
Ethylbenzene	U		0.00112	0.00380	1	09/25/2021 04:51	WG1746386
Total Xylenes	U		0.00134	0.00988	1	09/25/2021 04:51	WG1746386
(S) Toluene-d8	*110*			*75.0-131*		*09/25/2021 04:51*	WG1746386
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/25/2021 04:51*	WG1746386
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*09/25/2021 04:51*	WG1746386

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	10.7		2.03	5.04	1	10/02/2021 23:31	WG1749721
C28-C36 Motor Oil Range	48.0		0.345	5.04	1	10/02/2021 23:31	WG1749721
(S) o-Terphenyl	*48.5*			*18.0-148*		*10/02/2021 23:31*	WG1749721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.4		1	09/29/2021 09:30	WG1747751

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	21.4	J	9.85	21.4	1	09/29/2021 22:01	WG1748692

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.182		0.0232	0.107	1	10/04/2021 04:30	WG1750716
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*10/04/2021 04:30*	WG1750716

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000533	0.00114	1	09/25/2021 05:10	WG1746386
Toluene	U		0.00148	0.00571	1	09/25/2021 05:10	WG1746386
Ethylbenzene	U		0.000842	0.00285	1	09/25/2021 05:10	WG1746386
Total Xylenes	U		0.00100	0.00742	1	09/25/2021 05:10	WG1746386
(S) Toluene-d8	*112*			*75.0-131*		*09/25/2021 05:10*	WG1746386
(S) 4-Bromofluorobenzene	*95.3*			*67.0-138*		*09/25/2021 05:10*	WG1746386
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/25/2021 05:10*	WG1746386

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	436		86.2	214	50	10/03/2021 00:12	WG1749721
C28-C36 Motor Oil Range	1720		14.7	214	50	10/03/2021 00:12	WG1749721
(S) o-Terphenyl	*67.3*	J7		*18.0-148*		*10/03/2021 00:12*	WG1749721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.4		1	09/29/2021 09:30	WG1747751

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	16.5	J	11.3	24.6	1	09/29/2021 22:10	WG1748692

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.230	B	0.0267	0.123	1	10/02/2021 08:19	WG1749966
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-120*		*10/02/2021 08:19*	WG1749966

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000681	0.00146	1	09/25/2021 05:29	WG1746386
Toluene	U		0.00190	0.00730	1	09/25/2021 05:29	WG1746386
Ethylbenzene	U		0.00108	0.00365	1	09/25/2021 05:29	WG1746386
Total Xylenes	U		0.00128	0.00948	1	09/25/2021 05:29	WG1746386
(S) Toluene-d8	*110*			*75.0-131*		*09/25/2021 05:29*	WG1746386
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/25/2021 05:29*	WG1746386
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/25/2021 05:29*	WG1746386

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	39.7		1.98	4.92	1	10/02/2021 23:59	WG1749721
C28-C36 Motor Oil Range	144		0.337	4.92	1	10/02/2021 23:59	WG1749721
(S) o-Terphenyl	*37.4*			*18.0-148*		*10/02/2021 23:59*	WG1749721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.2		1	09/29/2021 09:17	WG1747792

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	17.5	J	11.3	24.6	1	09/29/2021 22:39	WG1748692

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0557	B J	0.0267	0.123	1	10/02/2021 08:41	WG1749966
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*77.0-120*		*10/02/2021 08:41*	WG1749966

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000684	0.00146	1	09/25/2021 05:48	WG1746386
Toluene	U		0.00190	0.00732	1	09/25/2021 05:48	WG1746386
Ethylbenzene	U		0.00108	0.00366	1	09/25/2021 05:48	WG1746386
Total Xylenes	U		0.00129	0.00952	1	09/25/2021 05:48	WG1746386
(S) Toluene-d8	*109*			*75.0-131*		*09/25/2021 05:48*	WG1746386
(S) 4-Bromofluorobenzene	*95.7*			*67.0-138*		*09/25/2021 05:48*	WG1746386
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*09/25/2021 05:48*	WG1746386

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	18.5		1.98	4.93	1	10/02/2021 23:18	WG1749721
C28-C36 Motor Oil Range	101		0.338	4.93	1	10/02/2021 23:18	WG1749721
(S) o-Terphenyl	*43.4*			*18.0-148*		*10/02/2021 23:18*	WG1749721

Method Blank (MB)

(MB) R3710564-1 09/29/21 13:04

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1407507-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1407507-03 09/29/21 13:04 • (DUP) R3710564-3 09/29/21 13:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.5	81.8	1	2.08		10

Laboratory Control Sample (LCS)

(LCS) R3710564-2 09/29/21 13:04

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	49.9	99.9	85.0-115	

Method Blank (MB)

(MB) R3710336-1 09/29/21 09:30

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1409655-43 Original Sample (OS) • Duplicate (DUP)

(OS) L1409655-43 09/29/21 09:30 • (DUP) R3710336-3 09/29/21 09:30

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	75.0	73.2	1	2.33		10

Laboratory Control Sample (LCS)

(LCS) R3710336-2 09/29/21 09:30

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3710335-1 09/29/21 09:17

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1408261-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1408261-02 09/29/21 09:17 • (DUP) R3710335-3 09/29/21 09:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	74.9	76.1	1	1.70		10

Laboratory Control Sample (LCS)

(LCS) R3710335-2 09/29/21 09:17

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3710902-1 09/29/21 18:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

Laboratory Control Sample (LCS)

(LCS) R3710902-2 09/29/21 18:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	199	99.3	90.0-110	

Method Blank (MB)

(MB) R3711826-2 10/02/21 05:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0284	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*88.1*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3711826-1 10/02/21 05:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.33	78.7	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

Method Blank (MB)

(MB) R3712640-2 10/04/21 02:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3712640-1 10/04/21 01:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.46	117	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R3709977-3 09/24/21 23:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*93.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3709977-1 09/24/21 21:28 • (LCSD) R3709977-2 09/24/21 21:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.106	0.115	84.8	92.0	70.0-123			8.14	20
Ethylbenzene	0.125	0.120	0.129	96.0	103	74.0-126			7.23	20
Toluene	0.125	0.110	0.122	88.0	97.6	75.0-121			10.3	20
Xylenes, Total	0.375	0.340	0.368	90.7	98.1	72.0-127			7.91	20
(S) Toluene-d8				*103*	*105*	*75.0-131*				
(S) 4-Bromofluorobenzene				*101*	*99.4*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*112*	*112*	*70.0-130*				

Method Blank (MB)

(MB) R3711653-1 10/02/21 02:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*61.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3711653-2 10/02/21 02:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.4	68.8	50.0-150	
(S) o-Terphenyl			*61.1*	*18.0-148*	

L1407434-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1407434-01 10/02/21 21:56 • (MS) R3711653-3 10/02/21 22:10 • (MSD) R3711653-4 10/02/21 22:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	59.0	U	32.2	39.2	54.5	66.8	1	50.0-150			19.6	20
(S) o-Terphenyl					*39.7*	*50.6*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

B054

Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland,Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1407434

Client Name:	ConocoPhillips	Site Manager:	Christian Llull
Project Name:	EVGSAU 2963-002		
Project Location: (county, state)	Lea County, New Mexico	Project #:	212C-MD-02492 Task 200
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	Sampler Signature:	Devin Dominguez
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
-01	AH-1 (0-1')	9/20/2021	1100		X				X			1	N	X		X												X							
-02	AH-2 (0-1')	9/20/2021	1110		X				X			1	N																						X
-03	AH-3 (0-1')	9/20/2021	1120		X				X			1	N	X		X												X							
-04	AH-4 (0-1')	9/20/2021	1130		X				X			1	N	X		X												X							
-05	AH-5 (0-1')	9/20/2021	1140		X				X			1	N	X		X												X							

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

Relinquished by:	Date: 9/21/21	Time: 900	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:

Received by: Date: 9/22/21 Time: 945

LAB USE ONLY

Sample Temperature 2-6 to 2-6 A-3 DT

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

January 20, 2022

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: EVGSAU 2963-002
Pace Project No.: 60390186

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on January 08, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Sam Abbott, Tetra Tech, Inc
Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 2000302021-3
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60390186001	**AH-6 (0-1')**	Solid	01/07/22 09:20	01/08/22 10:40
60390186002	**AH-7 (0-1')**	Solid	01/07/22 09:25	01/08/22 10:40
60390186003	**AH-8 (0-1')**	Solid	01/07/22 09:30	01/08/22 10:40

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60390186001	**AH-6 (0-1')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60390186002	**AH-7 (0-1')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K
60390186003	**AH-8 (0-1')**	EPA 8015B	AHS	4	PASI-K
		EPA 8015B	JLO	2	PASI-K
		EPA 8260B	RAD	7	PASI-K
		ASTM D2974	DWC	1	PASI-K
		EPA 9056	CRN2	1	PASI-K

PASI-K = Pace Analytical Services - Kansas City

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Sample: AH-6 (0-1') **Lab ID: 60390186001** Collected: 01/07/22 09:20 Received: 01/08/22 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**202**	mg/kg	105	10	01/10/22 15:59	01/12/22 11:20		
TPH-ORO (C28-C35)	**188**	mg/kg	105	10	01/10/22 15:59	01/12/22 11:20		
Surrogates								
n-Tetracosane (S)	0	%	31-152	10	01/10/22 15:59	01/12/22 11:20	646-31-1	S4
p-Terphenyl (S)	0	%	46-130	10	01/10/22 15:59	01/12/22 11:20	92-94-4	S4
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	10.7	1	01/12/22 10:46	01/13/22 00:27		
Surrogates								
4-Bromofluorobenzene (S)	92	%	63-121	1	01/12/22 10:46	01/13/22 00:27	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.9	1	01/20/22 07:46	01/20/22 09:54	71-43-2	
Ethylbenzene	ND	ug/kg	5.9	1	01/20/22 07:46	01/20/22 09:54	100-41-4	
Toluene	ND	ug/kg	23.7	1	01/20/22 07:46	01/20/22 09:54	108-88-3	
Xylene (Total)	ND	ug/kg	17.8	1	01/20/22 07:46	01/20/22 09:54	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	01/20/22 07:46	01/20/22 09:54	2037-26-5	
4-Bromofluorobenzene (S)	103	%	83-119	1	01/20/22 07:46	01/20/22 09:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120	1	01/20/22 07:46	01/20/22 09:54	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**9.0**	%	0.50	1		01/10/22 16:01		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	108	10	01/18/22 08:19	01/19/22 11:22	16887-00-6	

Sample: AH-7 (0-1') **Lab ID: 60390186002** Collected: 01/07/22 09:25 Received: 01/08/22 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**159**	mg/kg	109	10	01/10/22 15:59	01/12/22 11:29		
TPH-ORO (C28-C35)	**128**	mg/kg	109	10	01/10/22 15:59	01/12/22 11:29		
Surrogates								
n-Tetracosane (S)	0	%	31-152	10	01/10/22 15:59	01/12/22 11:29	646-31-1	S4
p-Terphenyl (S)	0	%	46-130	10	01/10/22 15:59	01/12/22 11:29	92-94-4	S4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Sample: AH-7 (0-1') **Lab ID: 60390186002** Collected: 01/07/22 09:25 Received: 01/08/22 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	11.7	1	01/12/22 10:46	01/13/22 00:43		
Surrogates								
4-Bromofluorobenzene (S)	92	%	63-121	1	01/12/22 10:46	01/13/22 00:43	460-00-4	
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	5.9	1	01/11/22 08:53	01/11/22 14:10	71-43-2	
Ethylbenzene	ND	ug/kg	5.9	1	01/11/22 08:53	01/11/22 14:10	100-41-4	
Toluene	ND	ug/kg	23.7	1	01/11/22 08:53	01/11/22 14:10	108-88-3	
Xylene (Total)	ND	ug/kg	17.8	1	01/11/22 08:53	01/11/22 14:10	1330-20-7	
Surrogates								
Toluene-d8 (S)	100	%	80-120	1	01/11/22 08:53	01/11/22 14:10	2037-26-5	
4-Bromofluorobenzene (S)	97	%	83-119	1	01/11/22 08:53	01/11/22 14:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	94	%	80-120	1	01/11/22 08:53	01/11/22 14:10	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**8.6**	%	0.50	1		01/10/22 16:01		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	107	10	01/18/22 08:19	01/19/22 11:56	16887-00-6	

Sample: AH-8 (0-1') **Lab ID: 60390186003** Collected: 01/07/22 09:30 Received: 01/08/22 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City							
TPH-DRO (C10-C28)	**79.8**	mg/kg	11.1	1	01/10/22 15:59	01/12/22 11:47		
TPH-ORO (C28-C35)	**61.2**	mg/kg	11.1	1	01/10/22 15:59	01/12/22 11:47		
Surrogates								
n-Tetracosane (S)	74	%	31-152	1	01/10/22 15:59	01/12/22 11:47	646-31-1	
p-Terphenyl (S)	79	%	46-130	1	01/10/22 15:59	01/12/22 11:47	92-94-4	
Gasoline Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
TPH-GRO	ND	mg/kg	12.1	1	01/12/22 10:46	01/13/22 00:58		
Surrogates								
4-Bromofluorobenzene (S)	92	%	63-121	1	01/12/22 10:46	01/13/22 00:58	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Sample: AH-8 (0-1') **Lab ID: 60390186003** Collected: 01/07/22 09:30 Received: 01/08/22 10:40 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV 5035A Low Level	Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City							
Benzene	ND	ug/kg	6.2	1	01/11/22 08:53	01/11/22 14:30	71-43-2	
Ethylbenzene	ND	ug/kg	6.2	1	01/11/22 08:53	01/11/22 14:30	100-41-4	
Toluene	ND	ug/kg	24.6	1	01/11/22 08:53	01/11/22 14:30	108-88-3	
Xylene (Total)	ND	ug/kg	18.5	1	01/11/22 08:53	01/11/22 14:30	1330-20-7	
Surrogates								
Toluene-d8 (S)	101	%	80-120	1	01/11/22 08:53	01/11/22 14:30	2037-26-5	
4-Bromofluorobenzene (S)	99	%	83-119	1	01/11/22 08:53	01/11/22 14:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	94	%	80-120	1	01/11/22 08:53	01/11/22 14:30	2199-69-1	
Percent Moisture	Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City							
Percent Moisture	**10.4**	%	0.50	1		01/10/22 16:01		
9056 IC Anions	Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City							
Chloride	ND	mg/kg	109	10	01/18/22 08:19	01/19/22 12:19	16887-00-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 2963-002
Pace Project No.: 60390186

QC Batch: 766196 | Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B | Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390186001, 60390186002, 60390186003

METHOD BLANK: 3061957 Matrix: Solid
Associated Lab Samples: 60390186001, 60390186002, 60390186003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-GRO	mg/kg	ND	10.0	01/12/22 22:22	
4-Bromofluorobenzene (S)	%	94	63-121	01/12/22 22:22	

LABORATORY CONTROL SAMPLE: 3061958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-GRO	mg/kg	50	39.2	78	71-107	
4-Bromofluorobenzene (S)	%			94	63-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3061959 3061960

Parameter	Units	60390152003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-GRO	mg/kg	ND	52.9	52.9	46.1	48.4	86	90	29-143	5	26	
4-Bromofluorobenzene (S)	%						93	92	63-121			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 2963-002
Pace Project No.: 60390186

QC Batch: 765958
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390186002, 60390186003

METHOD BLANK: 3061152 Matrix: Solid
Associated Lab Samples: 60390186002, 60390186003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	01/11/22 10:17	
Ethylbenzene	ug/kg	ND	5.0	01/11/22 10:17	
Toluene	ug/kg	ND	20.0	01/11/22 10:17	
Xylene (Total)	ug/kg	ND	15.0	01/11/22 10:17	
1,2-Dichlorobenzene-d4 (S)	%	95	80-120	01/11/22 10:17	
4-Bromofluorobenzene (S)	%	99	83-119	01/11/22 10:17	
Toluene-d8 (S)	%	99	80-120	01/11/22 10:17	

LABORATORY CONTROL SAMPLE: 3061153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1190	96	67-126	
Ethylbenzene	ug/kg	1250	1230	98	69-127	
Toluene	ug/kg	1250	1130	90	80-118	
Xylene (Total)	ug/kg	3750	3740	100	69-130	
1,2-Dichlorobenzene-d4 (S)	%			96	80-120	
4-Bromofluorobenzene (S)	%			97	83-119	
Toluene-d8 (S)	%			96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3061154 3061155

Parameter	Units	60390186003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1540	1540	1490	1500	97	97	17-134	0	53	
Ethylbenzene	ug/kg	ND	1540	1540	1580	1570	103	102	10-137	0	60	
Toluene	ug/kg	ND	1540	1540	1460	1450	94	94	13-131	0	60	
Xylene (Total)	ug/kg	ND	4620	4620	4790	4750	104	103	10-137	1	58	
1,2-Dichlorobenzene-d4 (S)	%						96	96	80-120			
4-Bromofluorobenzene (S)	%						97	96	83-119			
Toluene-d8 (S)	%						96	97	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 2963-002
Pace Project No.: 60390186

QC Batch: 767409
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60390186001

METHOD BLANK: 3066402 Matrix: Solid
Associated Lab Samples: 60390186001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	01/20/22 09:35	
Ethylbenzene	ug/kg	ND	5.0	01/20/22 09:35	
Toluene	ug/kg	ND	20.0	01/20/22 09:35	
Xylene (Total)	ug/kg	ND	15.0	01/20/22 09:35	
1,2-Dichlorobenzene-d4 (S)	%	98	80-120	01/20/22 09:35	
4-Bromofluorobenzene (S)	%	103	83-119	01/20/22 09:35	
Toluene-d8 (S)	%	99	80-120	01/20/22 09:35	

LABORATORY CONTROL SAMPLE: 3066403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	1250	1280	103	67-126	
Ethylbenzene	ug/kg	1250	1300	104	69-127	
Toluene	ug/kg	1250	1190	95	80-118	
Xylene (Total)	ug/kg	3750	3920	105	69-130	
1,2-Dichlorobenzene-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			101	83-119	
Toluene-d8 (S)	%			97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3066404 3066405

Parameter	Units	60390186001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1480	1480	1470	1490	100	100	17-134	1	53	
Ethylbenzene	ug/kg	ND	1480	1480	1520	1530	103	103	10-137	1	60	
Toluene	ug/kg	ND	1480	1480	1400	1400	94	94	13-131	0	60	
Xylene (Total)	ug/kg	ND	4440	4440	4640	4730	105	106	10-137	2	58	
1,2-Dichlorobenzene-d4 (S)	%						100	101	80-120			
4-Bromofluorobenzene (S)	%						99	101	83-119			
Toluene-d8 (S)	%						96	96	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 2963-002
Pace Project No.: 60390186

QC Batch: 765870
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390186001, 60390186002, 60390186003

METHOD BLANK: 3060928 Matrix: Solid
Associated Lab Samples: 60390186001, 60390186002, 60390186003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO (C10-C28)	mg/kg	ND	9.6	01/12/22 09:43	
TPH-ORO (C28-C35)	mg/kg	ND	9.6	01/12/22 09:43	
n-Tetracosane (S)	%	92	31-152	01/12/22 09:43	
p-Terphenyl (S)	%	102	46-130	01/12/22 09:43	

LABORATORY CONTROL SAMPLE: 3060929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO (C10-C28)	mg/kg	82	74.1	90	74-124	
n-Tetracosane (S)	%			90	31-152	
p-Terphenyl (S)	%			104	46-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3060930 3060931

Parameter	Units	60390152001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-DRO (C10-C28)	mg/kg	ND	89	88.4	79.3	73.4	88	82	30-130	8	35	
n-Tetracosane (S)	%						88	87	31-152			
p-Terphenyl (S)	%						95	92	46-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 2963-002
Pace Project No.: 60390186

QC Batch: 765795
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390186001, 60390186002, 60390186003

METHOD BLANK: 3060705 Matrix: Solid
Associated Lab Samples: 60390186001, 60390186002, 60390186003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	01/10/22 16:00	

SAMPLE DUPLICATE: 3060706

Parameter	Units	60390000001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.2	15.2	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: EVGSAU 2963-002
Pace Project No.: 60390186

QC Batch: 767166 | Analysis Method: EPA 9056
QC Batch Method: EPA 9056 | Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60390186001, 60390186002, 60390186003

METHOD BLANK: 3065612 Matrix: Solid
Associated Lab Samples: 60390186001, 60390186002, 60390186003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/kg	ND	100	01/19/22 11:00	

LABORATORY CONTROL SAMPLE: 3065613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/kg	500	479	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3065614 3065615

Parameter	Units	60390186001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/kg	ND	537	537	525	528	84	85	80-120	0	15	

SAMPLE DUPLICATE: 3065616

Parameter	Units	60390186002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloride	mg/kg	ND	76.2J		15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: EVGSAU 2963-002
Pace Project No.: 60390186

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

S4	Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EVGSAU 2963-002
Pace Project No.: 60390186

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60390186001	**AH-6 (0-1')**	EPA 3546	765870	EPA 8015B	765963
60390186002	**AH-7 (0-1')**	EPA 3546	765870	EPA 8015B	765963
60390186003	**AH-8 (0-1')**	EPA 3546	765870	EPA 8015B	765963
60390186001	**AH-6 (0-1')**	EPA 5035A/5030B	766196	EPA 8015B	766216
60390186002	**AH-7 (0-1')**	EPA 5035A/5030B	766196	EPA 8015B	766216
60390186003	**AH-8 (0-1')**	EPA 5035A/5030B	766196	EPA 8015B	766216
60390186001	**AH-6 (0-1')**	EPA 5035A/5030B	767409	EPA 8260B	767422
60390186002	**AH-7 (0-1')**	EPA 5035A/5030B	765958	EPA 8260B	765990
60390186003	**AH-8 (0-1')**	EPA 5035A/5030B	765958	EPA 8260B	765990
60390186001	**AH-6 (0-1')**	ASTM D2974	765795		
60390186002	**AH-7 (0-1')**	ASTM D2974	765795		
60390186003	**AH-8 (0-1')**	ASTM D2974	765795		
60390186001	**AH-6 (0-1')**	EPA 9056	767166	EPA 9056	767351
60390186002	**AH-7 (0-1')**	EPA 9056	767166	EPA 9056	767351
60390186003	**AH-8 (0-1')**	EPA 9056	767166	EPA 9056	767351

Pace Analytical www.pacelabs.com

Sample Condition Upon Receipt

WO# : 60390186

60390186

Client Name: Tetra Tech

Courier: FedEx ☑ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

Tracking #: 288500046547 Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☐ No ☑ Seals intact: Yes ☐ No ☑

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: T299 **Type of Ice:** (Wet) Blue None

Cooler Temperature (°C): **As-read** 2.7 **Corr. Factor** -0.2 **Corrected** 2.5

Date and initials of person examining contents: 1-8-2022 JH

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: SL	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO_3, H_2SO_4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT#	☐Yes ☐No ☑N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks: Lead acetate strip turns dark? (Record only)	☐Yes ☐No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☐No	
Trip Blank present:	☐Yes ☐No ☑N/A	
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	
Samples from USDA Regulated Area: State: NM	☐Yes ☑No ☐N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev.11, February 28, 2018

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

60390186

Client Name: ConocoPhillips	Site Manager: Ryan Dickerson
Project Name: EVGSAU 2963-002	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02492
Invoice to: Tetra Tech, Attention: Ryan Dickerson	
Receiving Laboratory: Pace Analytical	Sampler Signature: Colton Bickerstaff
Comments: Send invoice, results to Ryan Dickerson at Ryan.Dickerson@tetratech.com	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Asbestos		Hold
	AH-6 (0-1')	1/7/2022	9:20		X				X		1	N	X			X												X								
	AH-7 (0-1')	1/7/2022	9:25		X				X		1	N	X			X												X								
	AH-8 (0-1')	1/7/2022	9:30		X				X		1	N	X			X												X								

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Colton Bickerstaff	01/07/22	12:45		1-7-22	12:45
	1-7-22	14:00	FedEx	1-7-22	14:00
				1.8.22	1040

LAB USE ONLY

Sample Temperature: 2.5

REMARKS: Standard TAT

- ☐ **RUSH:** Same Day 24 hr 48 hr 72 hr
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Client: Tetra Tech

Profile #

Site:

Notes

COC Line Item	Matrix	VG9H	DG9H	DG9Q	VG9U	DG9U	DG9M	DG9B	BG1U	AG1H	AG1U	AG2U	AG3S	AG4U	AG5U	JGFU	WGKU	WGDU	BP1U	BP2U	BP3U	BP1N	BP3N	BP3F	BP3S	BP3C	BP3Z	WPDU	ZPLC	Other	WGFU	
1	SL																													1	
2	SL																													1	
3	SL																													1	
4																															
5																															
6																															
7																															
8																															
9																															
10																															
11																															
12																															

Container Codes

Glass			
DG9B	40mL bisulfate clear vial	WGKU	8oz clear soil jar
DG9H	40mL HCl amber voa vial	WGFU	4oz clear soil jar
DG9M	40mL MeOH clear vial	WG2U	2oz clear soil jar
DG9Q	40mL TSP amber vial	JGFU	4oz unpreserved amber wide
DG9S	40mL H2SO4 amber vial	AG0U	100mL unores amber glass
DG9T	40mL Na Thio amber vial	AG1H	1L HCl amber glass
DG9U	40mL amber unpreserved	AG1S	1L H2SO4 amber glass
VG9H	40mL HCl clear vial	AG1T	1L Na Thiosulfate clear/amber glass
VG9T	40mL Na Thio. clear vial	AG1U	1liter unpres amber glass
VG9U	40mL unpreserved clear vial	AG2N	500mL HNO3 amber glass
BG1S	1liter H2SO4 clear glass	AG2S	500mL H2SO4 amber glass
BG1U	1liter unpres glass	AG3S	250mL H2SO4 amber glass
BG3H	250mL HCL Clear glass	AG2U	500mL unpres amber glass
BG3U	250mL Unpres Clear glass	AG3U	250mL unpres amber glass
WGDU	16oz clear soil jar	AG4U	125mL unpres amber glass
		AG5U	100mL unpres amber glass

Plastic	
BP1C	1L NAOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn Acetate
BP2C	500mL NAOH plastic
BP2N	500mL HNO3 plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Acetate
BP3C	250mL NaOH plastic
BP3F	250mL HNO3 plastic - field filtered
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, Zn Acetate
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic
WPDU	16oz unpresserved plstic

Misc.	
I	Wipe/Swab
SP5T	120mL Coliform Na Thiosulfate
ZPLC	Ziploc Bag
AF	Air Filter
C	Air Cassettes
R	Terracore Kit
U	Summa Can

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

Work Order Number: 60390186

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 03, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 2963-002 WELLHEAD RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/01/22 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	02/01/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	EVGSAU 2963-002 WELLHEAD RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02492	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: AH - 9 (0-1') (H220382-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.01	100	2.00	5.59	QR-03
Toluene*	<0.050	0.050	02/02/2022	ND	2.19	109	2.00	3.60	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.01	101	2.00	6.75	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.27	104	6.00	6.77	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	220	110	200	28.4	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	259	129	200	6.30	
EXT DRO >C28-C36	**10.9**	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane *101 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *108 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	02/01/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	EVGSAU 2963-002 WELLHEAD RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02492	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: AH - 9 (1'-2') (H220382-02)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.01	100	2.00	5.59	
Toluene*	<0.050	0.050	02/02/2022	ND	2.19	109	2.00	3.60	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.01	101	2.00	6.75	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.27	104	6.00	6.77	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	220	110	200	28.4	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	259	129	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane *88.2 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *94.6 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	02/01/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	EVGSAU 2963-002 WELLHEAD RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02492	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: AH - 10 (0-1') (H220382-03)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.01	100	2.00	5.59	
Toluene*	<0.050	0.050	02/02/2022	ND	2.19	109	2.00	3.60	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.01	101	2.00	6.75	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.27	104	6.00	6.77	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	220	110	200	28.4	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	259	129	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane *111 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *118 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	02/01/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	EVGSAU 2963-002 WELLHEAD RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02492	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: AH - 10 (1'-2') (H220382-04)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2022	ND	2.01	100	2.00	5.59	
Toluene*	<0.050	0.050	02/02/2022	ND	2.19	109	2.00	3.60	
Ethylbenzene*	<0.050	0.050	02/02/2022	ND	2.01	101	2.00	6.75	
Total Xylenes*	<0.150	0.150	02/02/2022	ND	6.27	104	6.00	6.77	
Total BTEX	<0.300	0.300	02/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/03/2022	ND	220	110	200	28.4	
DRO >C10-C28*	<10.0	10.0	02/03/2022	ND	259	129	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	02/03/2022	ND					

Surrogate: 1-Chlorooctane *67.6 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *74.9 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	02/01/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	EVGSAU 2963-002 WELLHEAD RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02492	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: AH - 11 (0-1') (H220382-05)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2022	ND	2.01	100	2.00	5.59	
Toluene*	<0.050	0.050	02/03/2022	ND	2.19	109	2.00	3.60	
Ethylbenzene*	<0.050	0.050	02/03/2022	ND	2.01	101	2.00	6.75	
Total Xylenes*	<0.150	0.150	02/03/2022	ND	6.27	104	6.00	6.77	
Total BTEX	<0.300	0.300	02/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	220	110	200	28.4	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	259	129	200	6.30	
EXT DRO >C28-C36	**21.0**	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane *88.7 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *95.5 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	02/01/2022	Sampling Date:	02/01/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	EVGSAU 2963-002 WELLHEAD RELEASE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02492	Sample Received By:	Jodi Henson
Project Location:	CONOCO PHILLIPS - LEA CO NM		

Sample ID: AH - 11 (1'-2') (H220382-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2022	ND	2.01	100	2.00	5.59	
Toluene*	<0.050	0.050	02/03/2022	ND	2.19	109	2.00	3.60	
Ethylbenzene*	<0.050	0.050	02/03/2022	ND	2.01	101	2.00	6.75	
Total Xylenes*	<0.150	0.150	02/03/2022	ND	6.27	104	6.00	6.77	
Total BTEX	<0.300	0.300	02/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/02/2022	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2022	ND	220	110	200	28.4	
DRO >C10-C28*	<10.0	10.0	02/02/2022	ND	259	129	200	6.30	
EXT DRO >C28-C36	<10.0	10.0	02/02/2022	ND					

Surrogate: 1-Chlorooctane *100 %* *66.9-136*

Surrogate: 1-Chlorooctadecane *107 %* *59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

1/1

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ConocoPhillips
Project Manager: Christian Llull
Address: Christian.Llull@tetratech.com
City: State: Zip:
Phone #: Fax #:
Project #: 212C-MD-02492 Project Owner:
Project Name: EVGSAU 2963-002 Wellhead Release
Project Location: Lea County, NM
Sampler Name: Colton Bickerstaff

BILL TO
P.O. #:
Company: Tetra Tech
Attn: Christian Llull
Address: by email
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	BTEX	TPH	Chlorides
H220382																	
1	AH-9 (0-1')	G	1			X							2/1/22		X	X	X
2	AH-9 (1'-2')																
3	AH-10 (0-1')																
4	AH-10 (1'-2')																
5	AH-11 (0-1')																
6	AH-11 (1'-2')																

Relinquished By: Colton Bickerstaff Date: 2/1/22 Time: 12:55
Received By: Jodi Henson
Relinquished By: Date: Time:
Received By:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 16.8
Corrected Temp. °C 16.3
Sample Condition: Cool ☐ Yes ☑ No; Intact ☑ Yes ☐ No
CHECKED BY: (Initials)

Verbal Result: ☐ Yes ☑ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS: christian.llull@tetratech.com
Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

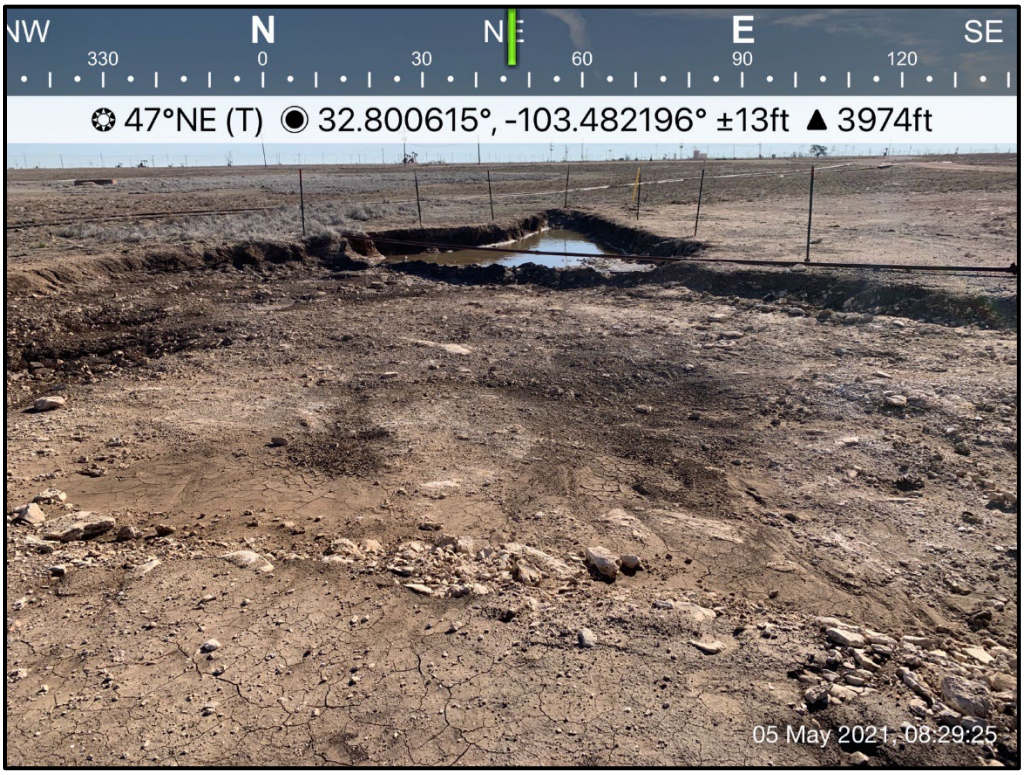
FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

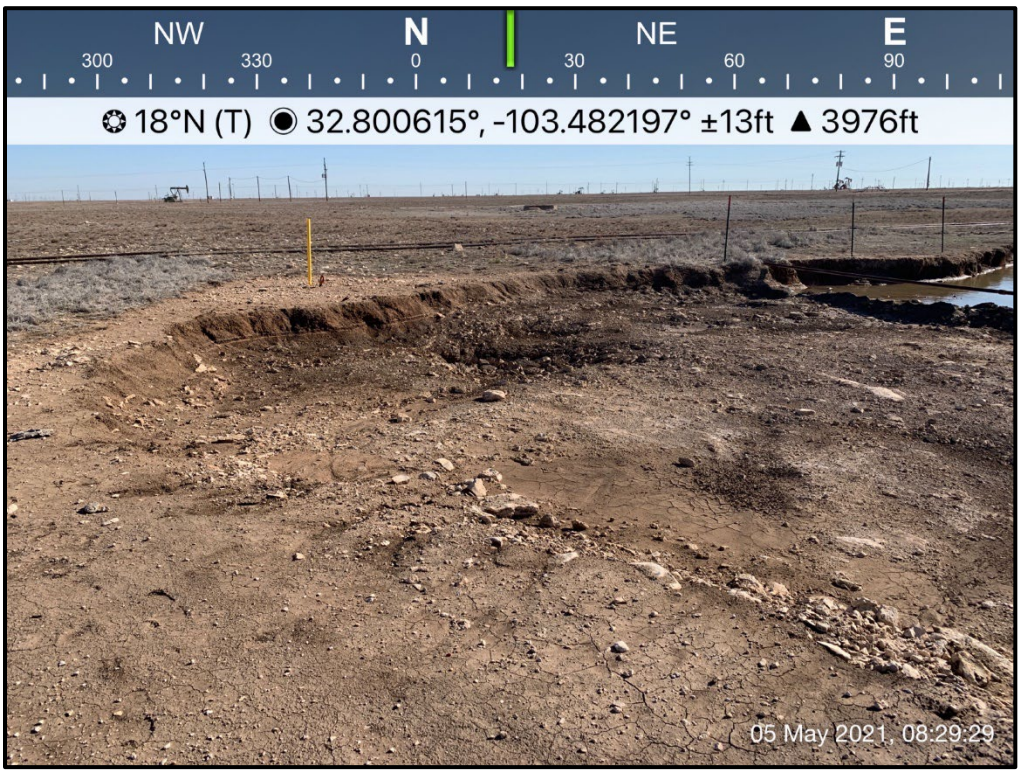
APPENDIX D
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	Site Signage with Well and Location Information.	1
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	2/1/2022

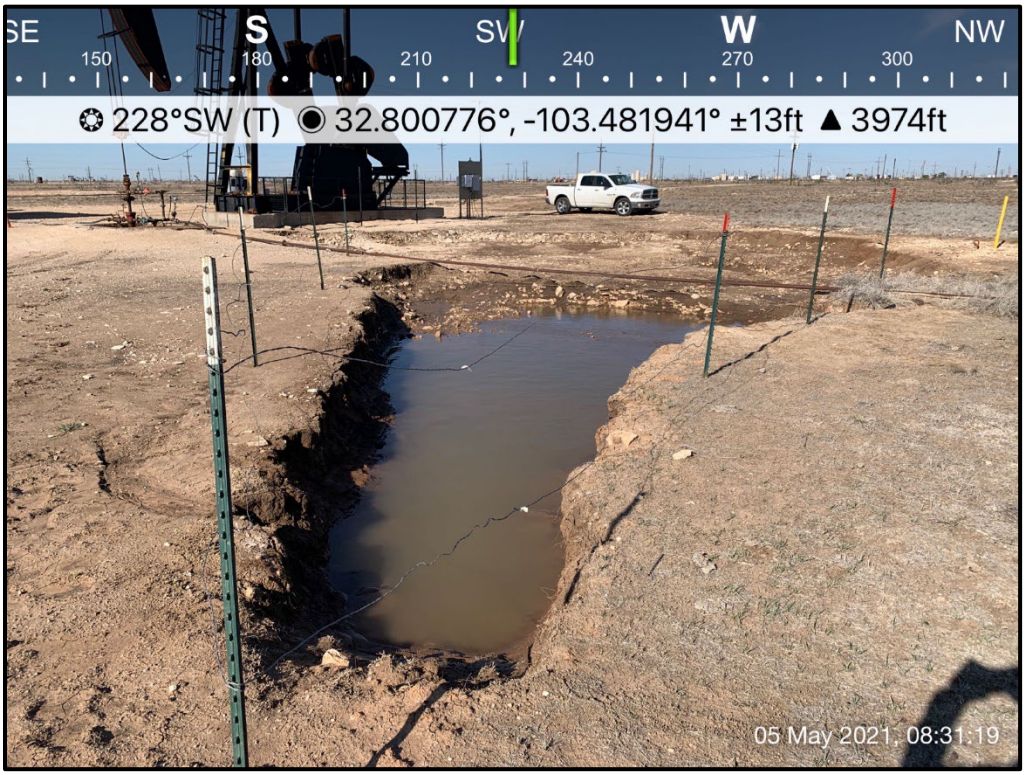
TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View east. Initial response excavation north of the EVGSAU 2963-002 wellhead.	2
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View northeast. Initial response excavation north of the EVGSAU 2963-002 wellhead.	3
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View north. Initial response excavation northwest of the EVGSAU 2963-002 wellhead.	4
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021

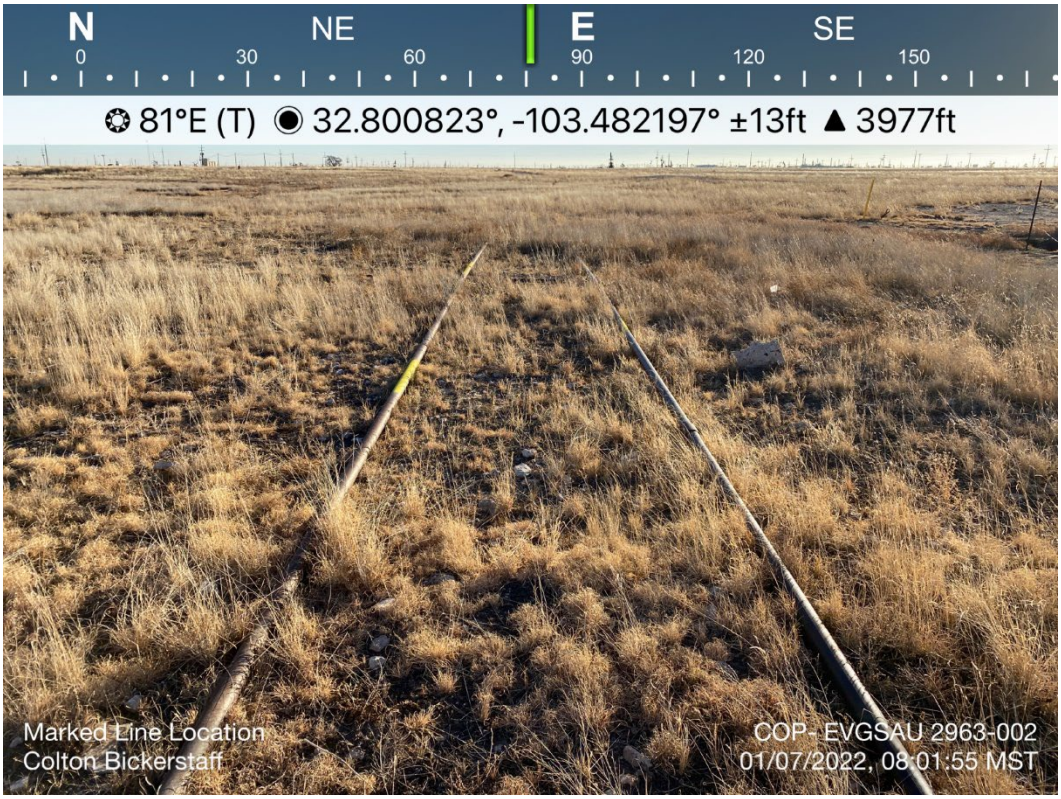


TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View south. Initial response excavation north of the EVGSAU 2963-002 wellhead.	5
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021

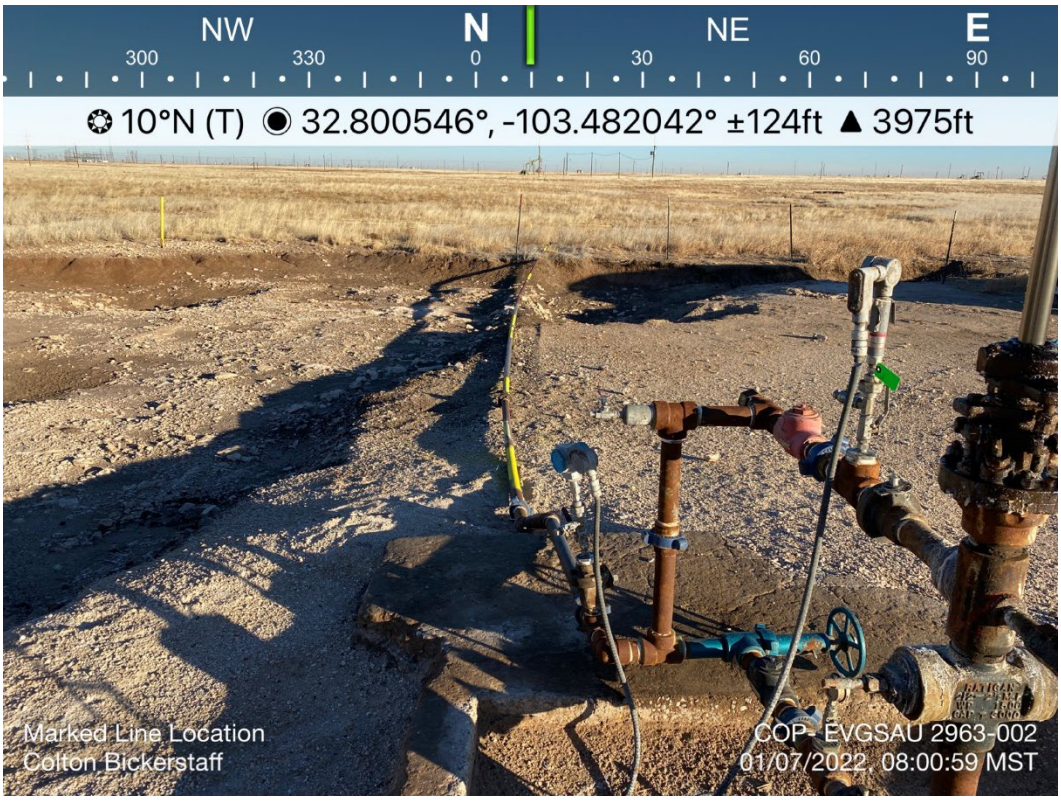
TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View southwest. Initial response excavation northeast of the EVGSAU 2963-002 wellhead.	6
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View northwest. Initial response excavation northeast of the EVGSAU 2963-002 wellhead.	7
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View south. Initial response excavation north of the EVGSAU 2963-002 wellhead.	8
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	5/5/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View east. North in the pasture, surface flowlines running east-west.	9
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	1/7/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02492	DESCRIPTION	View north. Surface flowline running south-north from the wellhead.	10
	SITE NAME	ConocoPhillips EVGSAU 2963-002 Wellhead Release	1/7/2022

APPENDIX E
Soil Boring Logs

212C-MD-02492	TETRA TECH	**LOG OF BORING BH-1**	Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800678°, -103.482256° | Surface Elevation: 3974 ft

Borehole Number: BH-1 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			231									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-1 (0-1')
			204									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	3	BH-1 (2-3')
5			192									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	5	BH-1 (4-5')

Bottom of borehole at 5.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

EVGSAU 2963-002 ASSESSMENT.GPJ `9.20.21` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT' ' `

Revised 5-16-12 (RHM)

212C-MD-02492	TETRA TECH	**LOG OF BORING BH-2**	Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800770°, -103.482117° | Surface Elevation: 3975 ft

Borehole Number: BH-2 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			180									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-2 (0-1')
			90.7									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	3	BH-2 (2-3')
5			80.0									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	5	BH-2 (4-5')

Bottom of borehole at 5.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02492	TETRA TECH	**LOG OF BORING BH-3**	Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800707°, -103.481969° | Surface Elevation: 3973 ft

Borehole Number: BH-3 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			305									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-3 (0-1')
			190									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	3	BH-3 (2-3')
5			201									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	5	BH-3 (4-5')

Bottom of borehole at 5.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

EVGSAU 2963-002 ASSESSMENT.GPJ `9-20-21`.TT_AUSTIN_GEOTECH_NOWELL3 `2015 TT TEMPLATE DECEMBER WELL.GDT`` Revised 5-16-12 (RHM)

212C-MD-02492	TETRA TECH	LOG OF BORING BH-4	Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800618°, -103.482045° | Surface Elevation: 3973 ft

Borehole Number: BH-4 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			490									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-4 (0-1')
			510									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	3	BH-4 (2-3')
5			560									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	5	BH-4 (4-5')

Bottom of borehole at 5.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

EVGSAU 2963-002 ASSESSMENT.GPJ `9.20.21` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT' ' ` Revised 5-16-12 (RHM)

212C-MD-02492 | TETRA TECH | **LOG OF BORING BH-5** | Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800498°, -103.482085° | Surface Elevation: 3976 ft

Borehole Number: BH-5 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			401									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-5 (0-1')
			230									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	3	BH-5 (2-3')
5			198									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	5	BH-5 (4-5')

Bottom of borehole at 5.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

EVGSAU 2963-002 ASSESSMENT.GPJ `9.20.21` TT_AUSTIN_GEOTECH_NOWELL3 `2015 TT TEMPLATE DECEMBER WELL.GDT`` Revised 5-16-12 (RHM)

212C-MD-02492 | TETRA TECH | **LOG OF BORING BH-6** | Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800778, -103.481945° | Surface Elevation: 3973 ft

Borehole Number: BH-6 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
			401									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-6 (0-1')
			260									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	3	BH-6 (2-3')
5			109									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	5	BH-6 (4-5')

Bottom of borehole at 5.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02492 | TETRA TECH

LOG OF BORING BH-7

Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800710°, -103.482039° | Surface Elevation: 3973 ft

Borehole Number: BH-7 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
												-- 0-3' was previously excavated as part of the initial remedial activities"		
			-									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	3	BH-7 (3-4')
5			-									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	5	BH-7 (5-6')
			385									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.	7	BH-7 (7-8')
10			-											BH-7 (9-10')
			120											BH-7 (12-13')
15														
			-											BH-7 (17-18')
20														
			315									**-SP-** SAND: Light brown, medium dense, poorly cemented, with trace gravel, dry.	22 23	BH-7 (22-23')

Bottom of borehole at 23.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02492 | TETRA TECH | **LOG OF BORING BH-8** | Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800539°, -103.482168° | Surface Elevation: 3976 ft

Borehole Number: BH-8 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
												-- 0-1' was previously excavated as part of the initial remedial activities.	1	
			-									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.		BH-8 (1-2')
			-											BH-8 (3-4')
5													5	
			-									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-8 (5-6')
													7	
			-									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.		BH-8 (7-8')
10														
			210										11	BH-8 (10-11')

Bottom of borehole at 11.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

EVGSAU 2963-002 ASSESSMENT.GPJ ` 9-20-21 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ' ' `

Revised 5-16-12 (RHM)

212C-MD-02492 | TETRA TECH | **LOG OF BORING BH-9** | Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.800629°, -103.482159° | Surface Elevation: 3974 ft

Borehole Number: BH-9 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
												-- 0-1' was previously excavated as part of the initial remedial activities.	1	
			-									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.		BH-9 (1-2')
			-											BH-9 (3-4')
5													5	
			-									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-9 (5-6')
													7	
			-									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.		BH-9 (7-8')
10														
			-											BH-9 (10-11')
														BH-9 (12-13')
15														
			-											BH-9 (15-16')
			-											
20														
			101										21	BH-9 (20-21')

Bottom of borehole at 21.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Hand Auger, Mud Rotary, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02492 | TETRA TECH | **LOG OF BORING BH-10** | Page 1 of 1

Project Name: EVGSAU 2963-002 Assessment

Borehole Location: GPS: 32.482159°, -103.482145° | Surface Elevation: 3975 ft

Borehole Number: BH-10 | Borehole Diameter (in.): 8 | Date Started: 8/23/2021 | Date Finished: 8/23/2021

WATER LEVEL OBSERVATIONS

While Drilling ▽ DRY ft Upon Completion of Drilling ▼ DRY ft

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
												-- 0-3' was previously excavated as part of the initial remedial activities"	3	
5			-									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	5	BH-10 (3-4')
			-									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.	7	BH-10 (5-6')
			-									**-SM-** SILTY SAND: Tan, medium dense, moderately cemented, semi-consolidated, with trace gravel, dry.		BH-10 (7-8')
10			-											BH-10 (9-10')
			-											BH-10 (12-13')
15														
			-											BH-10 (17-18')
20			-											
			98.0										22	
												-SP- SAND: Light brown, medium dense, poorly cemented, with trace gravel, dry.	23	BH-10 (22-23')

Bottom of borehole at 23.0 feet.

Sampler Types: Split Spoon, Acetate Liner, Shelby, Vane Shear, Bulk Sample, Discrete Sample, Grab Sample, Test Pit

Operation Types: Mud Rotary, Hand Auger, Air Rotary, Continuous Flight Auger, Direct Push, Wash Rotary, Core Barrel

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

APPENDIX F
NMSLO Seed Mixture Details

Custom Soil Resource Report
Soil Map

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0.6	100.0%
Totals for Area of Interest		**0.6**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough

Setting

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0
Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Hydric soil rating: No

Minor Components

Douro

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY047TX - Sandy Loam 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

Kenhill

Percent of map unit: 12 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Other vegetative classification: Unnamed (G077DH000TX)
Hydric soil rating: No

NMSLO Seed Mix Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (*Gaillardia*)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acre	18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

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 85788

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 85788
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.	3/29/2022