TETRA TECH

October 4, 2021

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

Re: Release Characterization and Closure Request
ConocoPhillips
EVGSAU 3315-005 Release
Unit Letter J, Section 33, Township 17 South, Range 35 East
Lea County, New Mexico
Incident ID# NRM2014564602

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 Unit (EVGSAU) 3315-005 well (API No. 30-025-26519). The release footprint is located in Public Land Survey System (PLSS) Unit Letter J, Section 33, Township 17 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.788642 -103.458638°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on May 10, 2020. The reported release occurred due to equipment failure near the wellhead and consisted of 30 barrels (bbls) of produced water and 0.8 bbls of oil, of which none were recovered. The New Mexico Oil Conservation Division (NMOCD) received the C-141 report form for the release on May 21, 2020. The NMOCD Incident ID for this release is NRM2014564602.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, 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). The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are seven (7) water wells within ½ mile (800 meters) of the Site with average depth to groundwater at 65 feet below ground surface (bgs). The site characterization data 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.

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

Based on the site characterization, established depth to groundwater, 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

SITE ASSESSMENT AND SAMPLING RESULTS

In order to achieve horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted soil sampling on August 24, 2021 on behalf of ConocoPhillips. A total of six (6) borings (BH-1 through BH-6) were installed using an air rotary drilling rig and two (2) borings using a hand auger. Three (3) borings (BH-1, BH-3 and BH-5) were installed within the release extent to depths of 20, 15, and 20 feet bgs, respectively. Five (5) borings (BH-2 and BH-6 through BH-8) were installed around the perimeter of the release extent to horizontally delineate the affected area. Figure 3 depicts the release extent and the August 2021 soil boring locations. Boring logs, included as Appendix C, present soil descriptions, sample depths, and field screening data from the 2021 assessment activities.

A total of thirty-three (33) soil samples were collected from the eight (8) locations within and surrounding the release extent. These soil samples were sent to Pace Analytical to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M and BTEX via EPA Method 8260B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix D.

The analytical results associated with sample location BH-1, BH-3 and BH-5 exceeded the Site reclamation requirement for chloride of 600 mg/kg and TPH of 100 mg/kg in the upper 3-foot depth interval. All analytical results were below Site RRALs. Horizontal and vertical delineation was achieved during the assessment. Photographic documentation of the release area is included as Appendix E.

SITE RECLAMATION AND RESTORATION PLAN

Based on the site characterization, the impacted surface area of the release on the production lease pad meets the remediation standards of Table I of 19.15.29.12 NMAC. Final reclamation of any impact within the lease pad area shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the Site is no longer being used for oil and gas operations. Therefore, reclamation of the soils located within the confines of the EVGSAU 3315-005 well pad will be delayed until the abandonment of the EVGSAU 3315-005 well and the full pad reclamation.

CONCLUSION

Based on the results of the site assessment, ConocoPhillips considers the current release footprint to be fully delineated. All analytical results associated with the site assessment were below Site RRALs; therefore, further remediation of the release footprint is deemed unnecessary. The contamination is located atop an active well pad and around production equipment and does not cause an imminent risk to human health, the environment, or groundwater.

Based on the above, ConocoPhillips respectfully requests closure of this release and that NMOCD will consider delaying reclamation activities at the Site until the end of life of the well. Final reclamation shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.

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 – Site Location/Topographic Map
Figure 3 – Approximate Release Extent and Site Assessment

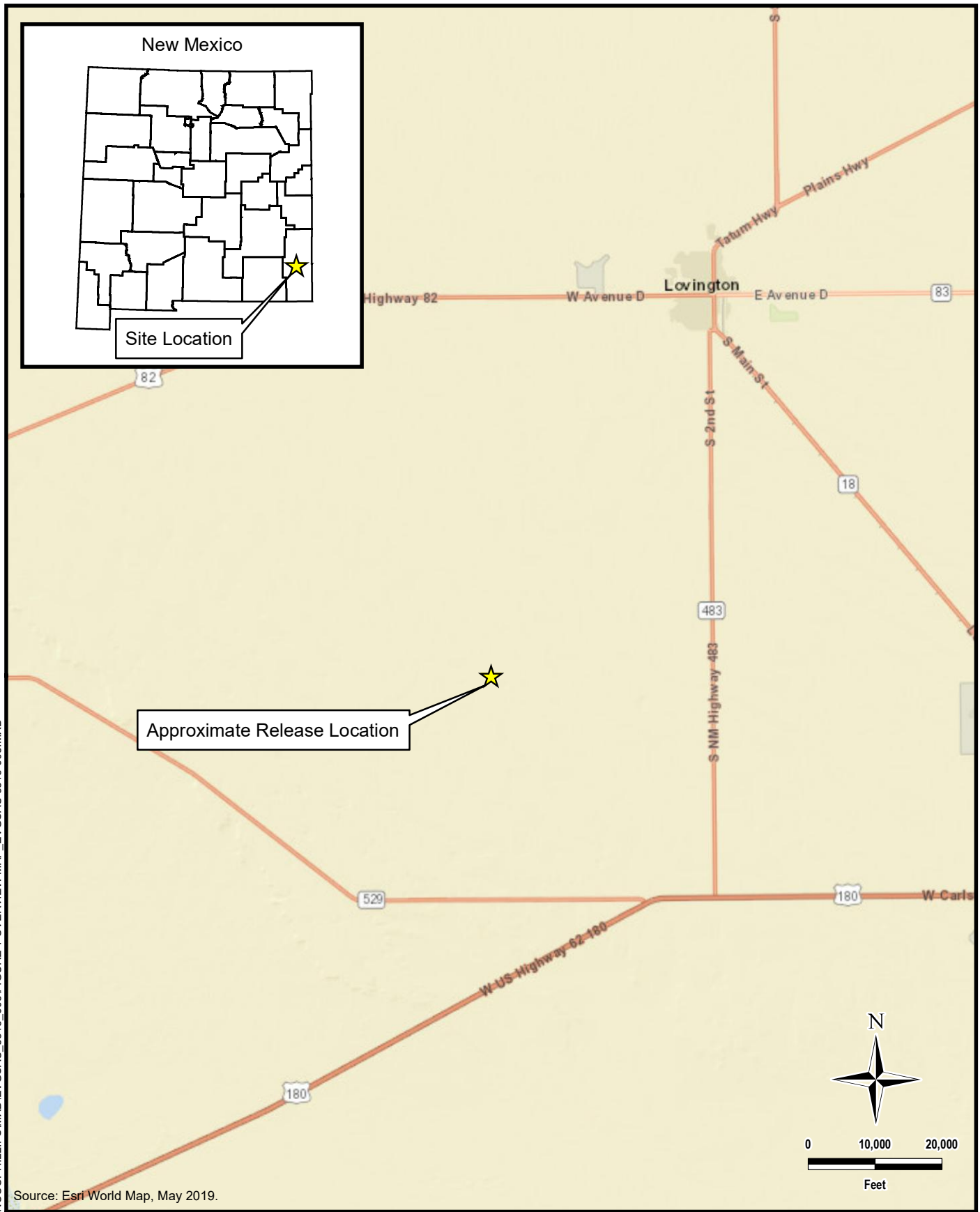
Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Appendices:

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

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3315_005\FIGURE 1 OVERVIEW MAP_EVGSAU 3315-005.MXD

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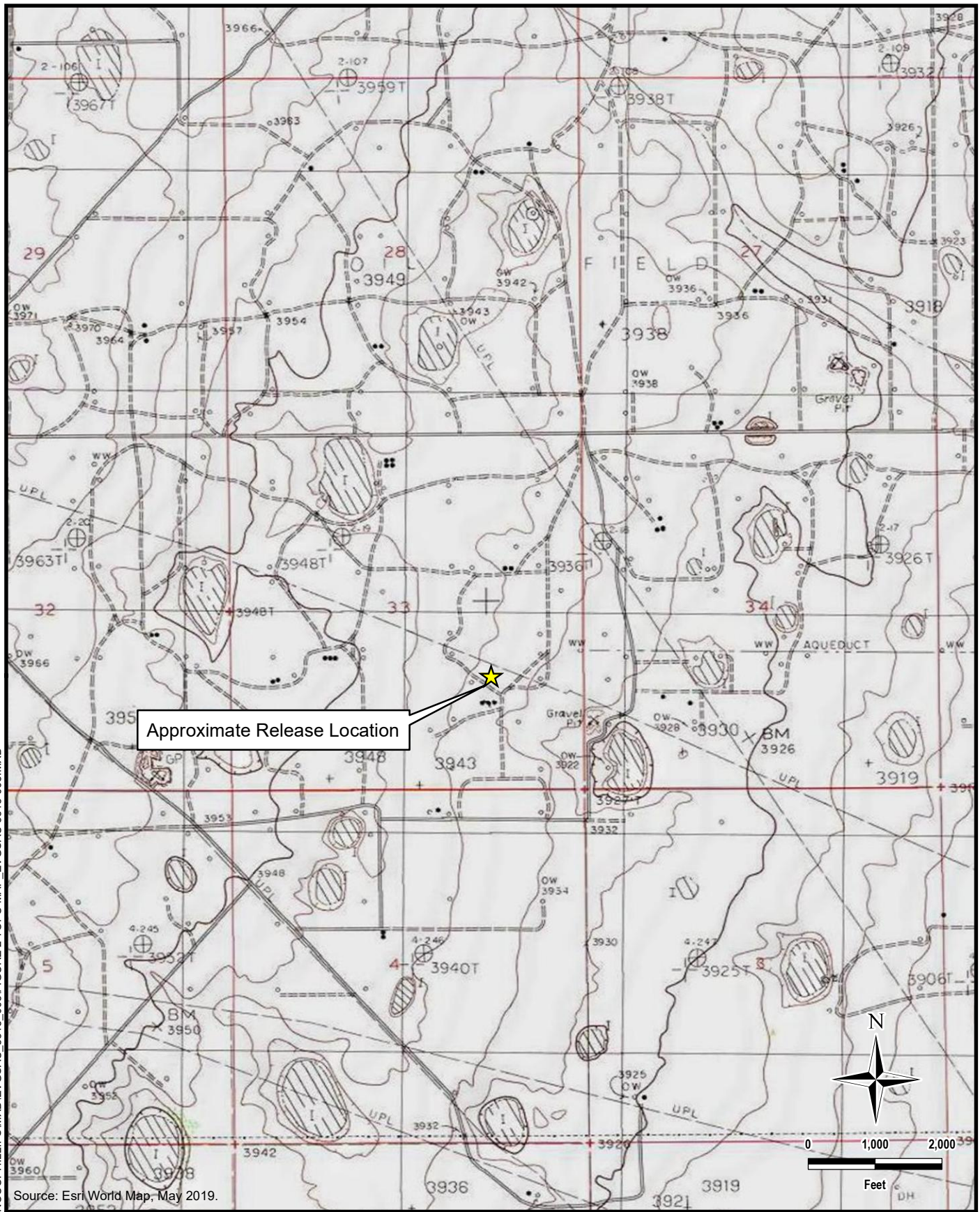
CONOCOPHILLIPS

NRM2014564602
(32.788642°, -103.458638°)
LEA COUNTY, NEW MEXICO

EVGSAU 3315-005 WELLHEAD RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-02493
DATE:	MAY 11, 2021
DESIGNED BY:	AAM

Figure No.
1



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3315_005\FIGURE 2 TOPO MAP_EVGSAU 3315-005.MXD

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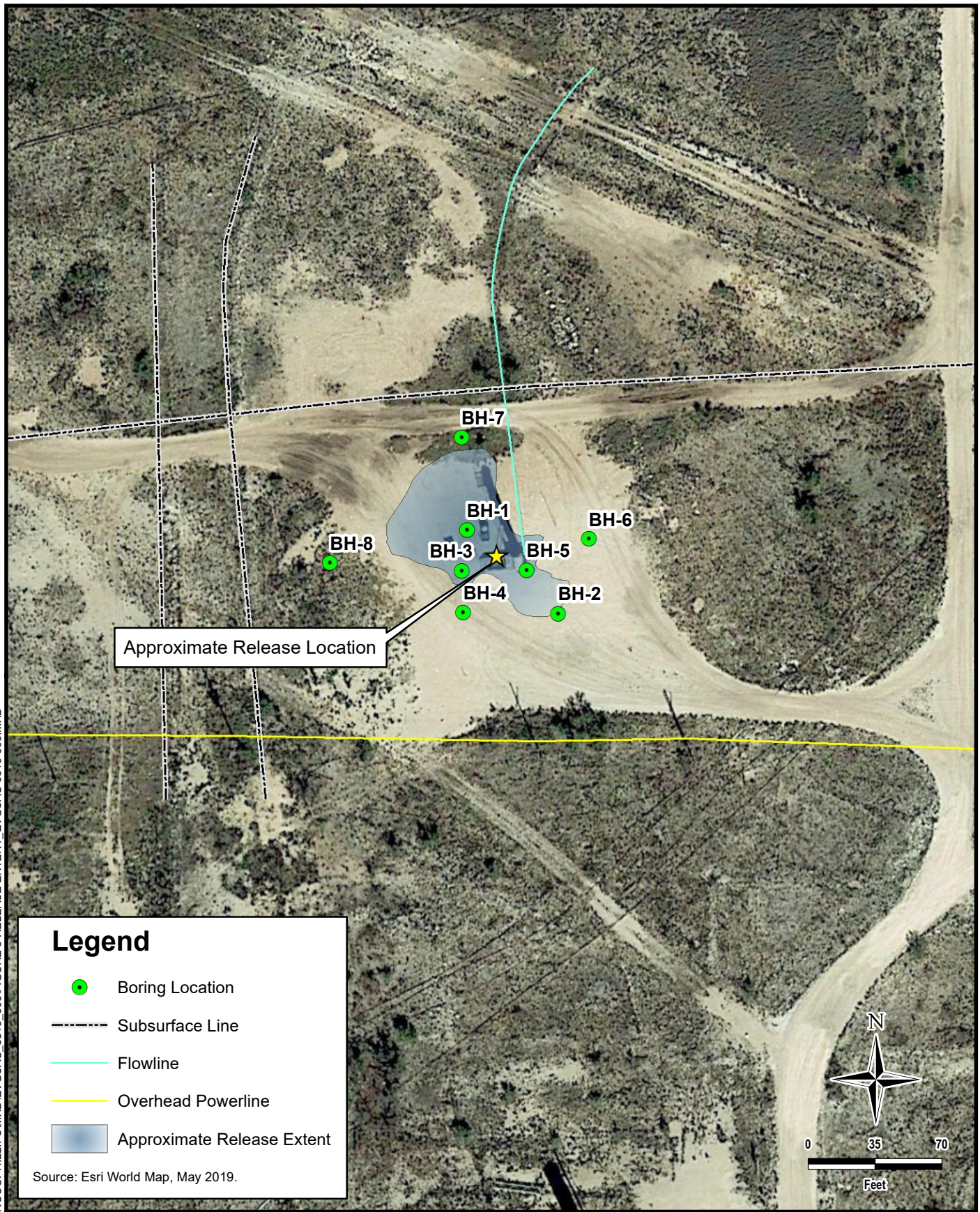
CONOCOPHILLIPS

NRM2014564602
(32.788642°, -103.458638°)
LEA COUNTY, NEW MEXICO

EVGSAU 3315-005 WELLHEAD RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02493
DATE:	MAY 11, 2021
DESIGNED BY:	AAM

Figure No.
2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU_3315_005\FIGURE 3 RELEASE EXTENT_EVGSAU 3315-005.MXD

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CONOCOPHILLIPS

NRM2014564602
(32.788642°, -103.458638°)
LEA COUNTY, NEW MEXICO

EVGSAU 3315-005 WELLHEAD RELEASE
APPROXIMATE RELEASE EXTENT AND SITE ASSESSMENT

PROJECT NO.:	212C-MD-02493
DATE:	SEPTEMBER 21, 2021
DESIGNED BY:	AAM

Figure No.
3

TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NRM2014564602
CONOCOPHILLIPS
EVGSAU 3315-005 RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]							
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[4]		DRO		ORO		Total TPH (GRO+DRO+ORO)	
																	C_3 - C_{10}		C_{10} - C_{28}		C_{28} - C_{36}			
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BH-1	8/24/2021	0-1	2,610	-	2,200	V	< 0.00115		< 0.00575		< 0.00288		< 0.00748		-		< 0.108		6.51		8.27		14.8	
		2-3	-	-	1,430		< 0.00116		< 0.00580		< 0.00290		< 0.00754		-		< 0.108		10.6		35.2		45.8	
		4-5	1,100	-	1,250		< 0.00117		< 0.00583		< 0.00292		< 0.00758		-		< 0.108		4.79		11.9		16.7	
		6-7	829	-	930		< 0.00117		< 0.00583		< 0.00291		< 0.00758		-		< 0.108		< 4.33		0.329	J	0.329	
		9-10	-	-	559		< 0.00119		< 0.00593		< 0.00297		< 0.00771		-		< 0.109		< 4.37		< 4.37		-	
		14-15	443	-	314		< 0.00116	J3	< 0.00581	J3	< 0.00290	J3	< 0.00755	J3	-		< 0.108		4.24	J	0.619	J	4.86	
		19-20	410	-	273		< 0.00122		< 0.00610		< 0.00305		0.00669	J	0.00669		< 0.111		2.29	J	< 4.44		2.29	
BH-2	8/24/2021	0-1	130	-	72.7		< 0.00120		< 0.00599		< 0.00299		0.00287	J	0.00287		< 0.111		7.31		21.3		28.6	
		2-3	467	-	360		< 0.00121		< 0.00607		< 0.00303		0.00252	J	0.00252		< 0.111		< 4.43		0.753	J	0.753	
		4-5	320	-	279		< 0.00109		< 0.00547		< 0.00273		< 0.00711		-		< 0.106		1.73	J	0.721	J	2.45	
		6-7	313	-	187		< 0.00109		< 0.00544		< 0.00272		< 0.00707		-		< 0.104		1.80	J	0.330	J	2.13	
		9-10	278	-	196		< 0.00110		< 0.00550		< 0.00275		< 0.00715		-		< 0.105		< 4.20		0.413	J	0.413	
BH-3	8/24/2021	0-1	1,340	-	1,800		< 0.00113		< 0.00565		< 0.00283		< 0.00735		-		< 0.107		4.94		7.72		12.7	
		2-3	961	-	1,190		< 0.00116		< 0.00580		< 0.00290		< 0.00754		-		< 0.108		3.14	J	4.57		7.71	
		4-5	488	-	492		< 0.00109		< 0.00543		< 0.00271		< 0.00706		-		< 0.104		1.77	J	0.669	J	2.44	
		6-7	-	-	268		< 0.00113		< 0.00567		< 0.00283		< 0.00737		-		< 0.107		< 4.27		0.298	J	0.298	
		9-10	380	-	307		< 0.00114		< 0.00569		< 0.00284		< 0.00740		-		< 0.107		< 4.28		< 4.28		-	
		14-15	88.5	-	51.0		< 0.00109		< 0.00545		< 0.00273		< 0.00709		-		< 0.105		< 4.18		< 4.18		-	
BH-4	8/24/2021	0-1	275	-	235		< 0.00112		< 0.00558		< 0.00279		< 0.00725		-		< 0.106		3.05	J	8.49		11.5	
		2-3	265	-	327		< 0.00113		< 0.00566		< 0.00283		< 0.00736		-		< 0.107		< 4.27		3.36	J	3.36	
		4-5	122	-	58.2		< 0.00105		< 0.00523		< 0.00262		< 0.00680		-		< 0.102		< 4.09		< 4.09		-	
BH-5	8/24/2021	0-1	144	-	56.8		< 0.00116		< 0.00578		< 0.00289		< 0.00752		-		< 0.108		15.9		50.4		66.3	
		2-3	598	-	679		< 0.00114		< 0.00570		< 0.00285		< 0.00740		-		< 0.107		1.90	J	1.98	J	3.88	
		4-5	549	-	274		< 0.00116		< 0.00582		< 0.00291		< 0.00756		-		< 0.108		< 4.33		< 4.33		-	
		6-7	-	-	327		< 0.00112		< 0.00560		< 0.00280		< 0.00727		-		< 0.106		< 4.24		< 4.24		-	
		9-10	420	-	330	J6	< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		< 0.106		< 4.22		< 4.22		-	
		14-15	380	-	290		< 0.00108		< 0.00542		< 0.00271		< 0.00705		-		< 0.104	Q	< 4.17		< 4.17		-	
		19-20	391	-	329		< 0.00113		< 0.00567		< 0.00284		< 0.00738		-		< 0.108	Q	< 4.27		0.654	J	0.654	
BH-6	8/24/2021	0-1	180	-	95.5		< 0.00109		< 0.00543		< 0.00272		< 0.00706		-		< 0.104	Q	2.61	J	8.45		11.1	
		2-3	245	-	183		< 0.00114		< 0.00568		< 0.00284		< 0.00738		-		< 0.107	Q	< 4.27		2.62	J	2.62	
		4-5	290	-	299		< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		< 0.106	Q	< 4.22		< 4.22		-	
BH-7	8/24/2021	0-1	201	-	333		< 0.00111		< 0.00556		< 0.00278		< 0.00723		-		< 0.107	Q	2.03	J	4.30		6.33	
BH-8	8/24/2021	0-1	145	-	71.5		< 0.00116		< 0.00579		< 0.00289		< 0.00752		-		< 0.107	Q	10.5		29.9		40.4	

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 EPA Method 8260B
3 EPA Method 8015
4 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed Site RRALs .

QUALIFIERS:

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.
J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.
Q Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V The sample concentration is too high to evaluate accurate spike recoveries.

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	NRM2014564602
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 32.78863 Longitude -103.45793
(NAD 83 in decimal degrees to 5 decimal places)

Site Name EVGSAU 3315-005	Site Type Well Site
Date Release Discovered 5/10/20	API# *(if applicable)* 30-025-26519

Unit Letter	Section	Township	Range	County
I	33	17S	35E	Lea

Surface Owner: [X] 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)

[X] Crude Oil	Volume Released (bbls) 0.8	Volume Recovered (bbls) 0
[X] Produced Water	Volume Released (bbls) 30	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

Equipment failure

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014564602
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? The release exceeded 25 bbls of produced water.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Email notification was given to Bradford Billings and Jim Griswold, OCD by Kelsy Waggaman, ConocoPhillips Environmental Coordinator on 5/14/20.

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

NRM2014564602

L48 Spill Volume Estimate Form									
Facility Name & Number:	EVGSAU 3315-005								
Asset Area:	Buckeye								
Release Discovery Date & Time:	5/10/2020								
Release Type:	Oil Mixture								
Provide any known details about the event:	Metal broke off unit striking 1" piping on the offside								
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	12.0	42.0	6.00	10.50%	44.856	4.710	2.50%	0.118	4.592
27	51.0	54.0	6.00	10.50%	245.106	25.736	2.50%	0.643	25.093
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Rectangle J					0.000	0.000		0.000	0.000
					Total Volume Release:	30.446		0.761	29.685

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014564602
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?	65 (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	NRM2014564602
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: Samuel Widmer Title: RM&R Program Manager

Signature: Sam Widmer Date: 09/29/2021

email: Sam.Widmer@cop.com Telephone: 281-206-5298

OCD Only

Received by: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014564602
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

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

Printed Name: Samuel Widmer Title: R M & R Program Manager

Signature: Samuel Widmer Date: 09/29/2021

email: Sam.Widmer@cop.com Telephone: 281-206-5298

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 03/04/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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 04633		L	LE		2	4	33	17S	35E	644564	3629010*	248	130	65	65
L 05834	R	L	LE	2	2	4	33	17S	35E	644663	3629109*	382	160	70	90
L 05834 POD5		L	LE	2	2	4	33	17S	35E	644663	3629109*	382	234	65	169
L 04578		L	LE				33	17S	35E	643962	3629198*	474	126	60	66
L 04586		L	LE	3	3	4	33	17S	35E	644065	3628502*	488	125	50	75
L 04880		L	LE		2	3	33	17S	35E	643757	3629002*	587	145	90	55
L 04618		L	LE		3	3	34	17S	35E	644973	3628611*	701	128	55	73

Average Depth to Water: **65 feet**

Minimum Depth: **50 feet**

Maximum Depth: **90 feet**

Record Count: 7

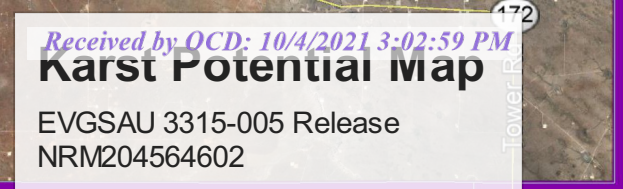
UTMNAD83 Radius Search (in meters):

Easting (X): 644337.2 **Northing (Y):** 3628907.71 **Radius:** 800

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

Karst Potential Map

EVGSAU 3315-005 Release
NRM204564602



Legend

- EVGSAU 3315-005 Release Location
- High
- Low
- Medium

EVGSAU 3315-005 Release Location

Lovington
Lea
Hwy-82
Lovington Hwy
Bermuda Rd
Arkansas Jct
W Carlsbad Hwy
Bluestem Rd
Tower Rd

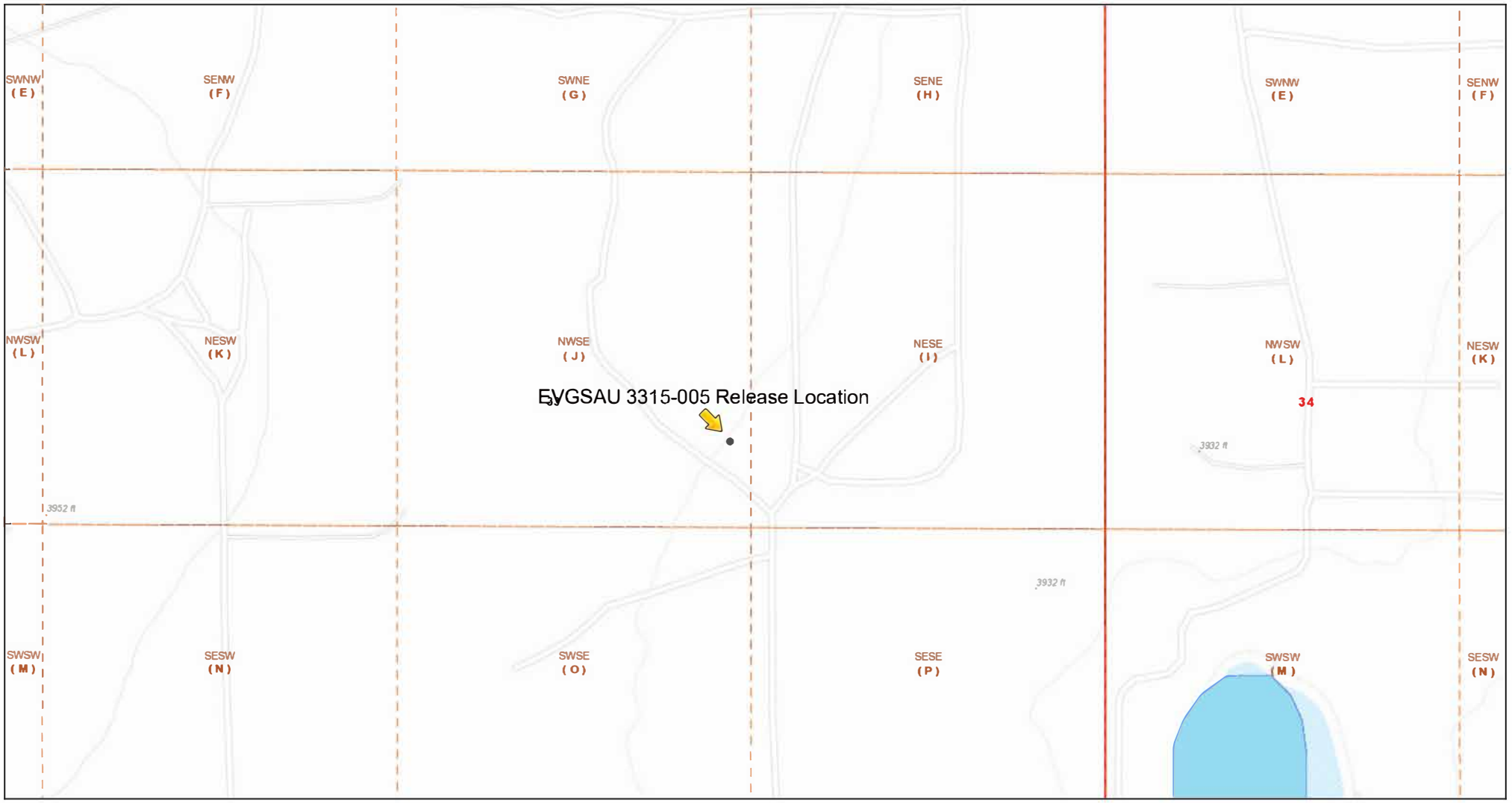
172 249 457 82 97 31 529 238 483 41 42 243 176

Google Earth
© 2021 Google

10 mi

N

EVGSAU 3315-005 Release



5/6/2021, 2:06:29 PM

Override 1

PLSS First Division

PLSS Second Division

OSE Water-bodies

OSE Streams

PLJV Probable Playas

1:5,083

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, BLM

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

APPENDIX C
Soil Boring Logs

212C-MD-02493 | TETRA TECH | **LOG OF BORING BH-1** | Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788678°, -103.458688° | Surface Elevation: 3944 ft

Borehole Number: BH-1 | Borehole Diameter (in.): 8 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			2610									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-1 (0-1')
			-									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-1 (2-3')
5			1100											BH-1 (4-5')
			829											BH-1 (6-7')
													9	
10			-									**-LS-** LIMESTONE: Tan, hard, well-indurated, blocky, dry.		BH-1 (9-10')
15			443											BH-1 (14-15')
20			410										20	BH-1 (19-20')

Bottom of borehole at 20.0 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 3315-005 ASSESSMENT.GPJ `9-20-21`TT_AUSTIN_GEOTECH_NOWELL3`2015 TT TEMPLATE DECEMBER WELL.GDT`1`1`

Revised 5-16-12 (RHM)

212C-MD-02493	TETRA TECH	**LOG OF BORING BH-2**	Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788558°, -103.458534° | Surface Elevation: 3942 ft

Borehole Number: BH-2 | Borehole Diameter (in.): 8 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			130									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-2 (0-1')
			467									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-2 (2-3')
5			320											BH-2 (4-5')
			313											BH-2 (6-7')
													9	
10			278									**-LS-** LIMESTONE: Tan, hard, well-indurated, blocky, dry.	10	BH-2 (9-10')

Bottom of borehole at 10.0 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

212C-MD-02493	TETRA TECH	**LOG OF BORING BH-3**	Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788620°, -103.458697° | Surface Elevation: 3944 ft

Borehole Number: BH-3 | Borehole Diameter (in.): 8 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			1340									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-3 (0-1')
			961									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-3 (2-3')
5			488											BH-3 (4-5')
			-											BH-3 (6-7')
													9	
10			380									**-LS-** LIMESTONE: Tan, hard, well-indurated, blocky, dry.		BH-3 (9-10')
15			88.5										15	BH-3 (14-15')

Bottom of borehole at 15.0 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-02493 | TETRA TECH | **LOG OF BORING BH-4** | Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788560°, -103.458695° | Surface Elevation: 3943 ft

Borehole Number: BH-4 | Borehole Diameter (in.): 8 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			275									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-4 (0-1')
			265									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-4 (2-3')
5			122										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

212C-MD-02493 | TETRA TECH

LOG OF BORING BH-5

Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788620°, -103.458587° | Surface Elevation: 3943 ft

Borehole Number: BH-5 | Borehole Diameter (in.): 8 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			144									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	2	BH-5 (0-1')
			598									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-5 (2-3')
5			549											BH-5 (4-5')
			-											BH-5 (6-7')
													9	
10			420									**-LS-** LIMESTONE: Tan, hard, well-indurated, blocky, dry.		BH-5 (9-10')
15			380											BH-5 (14-15')
20			391										20	BH-5 (19-20')

Bottom of borehole at 20.0 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-02493	TETRA TECH	**LOG OF BORING BH-6**	Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788664°, -103.458480° | Surface Elevation: 3943 ft

Borehole Number: BH-6 | Borehole Diameter (in.): 8 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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-6 (0-1')
			245									**-CALICHE-** CALICHE: White, hard, heavily cemented with calcium carbonate, with abundant gravel, occ. boulders.		BH-6 (2-3')
5			290										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-02493	TETRA TECH	**LOG OF BORING BH-7**	Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788812°, -103.458696° | Surface Elevation: 3942 ft

Borehole Number: BH-7 | Borehole Diameter (in.): 3 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			201									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	1	BH-7 (0-1')

Bottom of borehole at 1.0 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: Hand Auger | Driller: Tetra Tech

212C-MD-02493	TETRA TECH	**LOG OF BORING BH-8**	Page 1 of 1

Project Name: EVGSAU 3315-005

Borehole Location: GPS: 32.788633°, -103.458921° | Surface Elevation: 3944 ft

Borehole Number: BH-8 | Borehole Diameter (in.): 3 | Date Started: 8/24/2021 | Date Finished: 8/24/2021

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
			145									**-SM-** SILTY SAND: Tan to light tan, loose to medium dense, dry, clayey in part.	1	BH-8 (0-1')

Bottom of borehole at 1.0 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: Hand Auger | Driller: Tetra Tech

APPENDIX D
Laboratory Analytical Data

ANALYTICAL REPORT

September 14, 2021

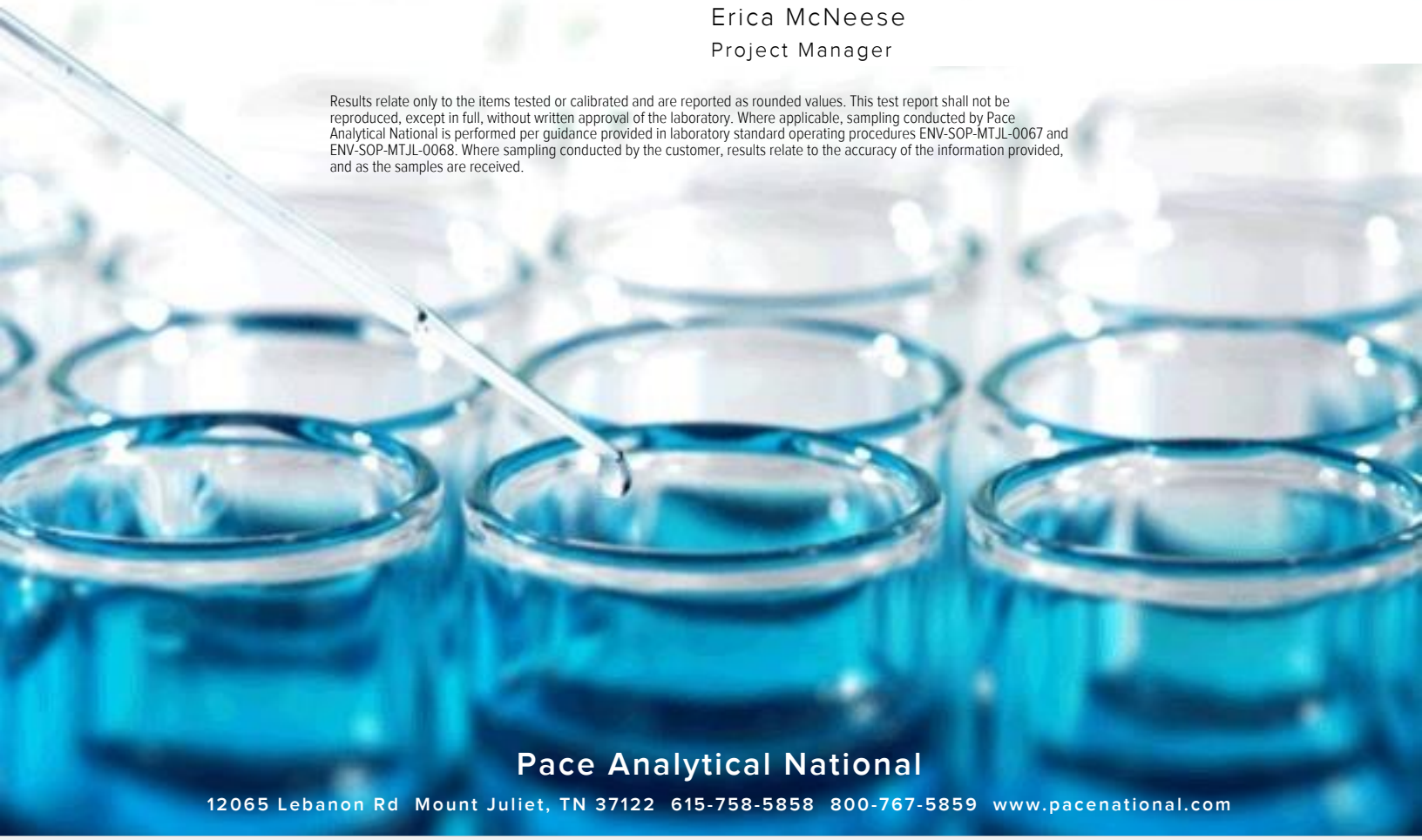
ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1396424
Samples Received:	08/28/2021
Project Number:	212C-MD-02493
Description:	EVGSAU 3315-005

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

Entire Report Reviewed By: Erica McNeese

Erica McNeese
Project Manager



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

TABLE OF CONTENTS

SAMPLE SUMMARY

BH-1 (0-1) L1396424-01 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1733216	10	09/01/21 16:27	09/02/21 00:35	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	09/01/21 16:41	09/04/21 10:30	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	09/01/21 16:41	09/04/21 03:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 21:42	TJD	Mt. Juliet, TN

BH-1 (2-3) L1396424-02 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1733216	10	09/01/21 16:27	09/02/21 01:14	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	09/01/21 16:41	09/04/21 10:52	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	09/01/21 16:41	09/04/21 03:35	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 21:56	TJD	Mt. Juliet, TN

BH-1 (4-5) L1396424-03 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1733216	10	09/01/21 16:27	09/02/21 01:23	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	09/01/21 16:41	09/04/21 11:14	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	09/01/21 16:41	09/04/21 03:54	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 21:29	TJD	Mt. Juliet, TN

BH-1 (6-7) L1396424-04 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1733216	10	09/01/21 16:27	09/02/21 01:33	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	09/01/21 16:41	09/04/21 11:35	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	09/01/21 16:41	09/04/21 04:13	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 18:58	TJD	Mt. Juliet, TN

BH-1 (9-10) L1396424-05 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 01:42	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	09/01/21 16:41	09/04/21 11:57	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	09/01/21 16:41	09/04/21 04:32	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 18:45	TJD	Mt. Juliet, TN

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

BH-1 (14-15) L1396424-06 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 02:11	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734725	1	09/01/21 16:41	09/04/21 12:18	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734827	1	09/01/21 16:41	09/04/21 04:52	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 19:26	TJD	Mt. Juliet, TN

BH-1 (19-20) L1396424-07 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 02:20	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 06:32	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 12:59	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1736387	1	09/01/21 16:41	09/07/21 20:42	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 19:40	TJD	Mt. Juliet, TN

BH-2 (0-1) L1396424-08 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 02:30	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1.01	09/01/21 16:41	09/05/21 06:54	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 13:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1736387	1	09/01/21 16:41	09/07/21 21:01	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 22:10	TJD	Mt. Juliet, TN

BH-2 (2-3) L1396424-09 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 02:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 07:15	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 13:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1736387	1	09/01/21 16:41	09/07/21 21:20	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 19:12	TJD	Mt. Juliet, TN

BH-2 (4-5) L1396424-10 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 02:49	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1.01	09/01/21 16:41	09/05/21 07:37	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 13:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 15:17	TJD	Mt. Juliet, TN

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

SAMPLE SUMMARY

BH-2 (6-7) L1396424-11 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 02:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 07:58	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 14:15	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 15:03	TJD	Mt. Juliet, TN

BH-2 (9-10) L1396424-12 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 03:08	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 08:20	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 14:34	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 15:31	TJD	Mt. Juliet, TN

BH-3 (0-1) L1396424-13 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	10	09/01/21 16:27	09/02/21 03:17	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 08:41	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 14:53	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 21:15	TJD	Mt. Juliet, TN

BH-3 (2-3) L1396424-14 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1734876	1	09/07/21 07:34	09/07/21 07:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	10	09/01/21 16:27	09/02/21 03:27	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 09:02	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 15:13	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 19:54	TJD	Mt. Juliet, TN

BH-3 (4-5) L1396424-15 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 03:36	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 09:24	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 15:32	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 15:45	TJD	Mt. Juliet, TN

BH-3 (6-7) L1396424-16 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 04:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 09:46	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 15:51	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1735752	1	09/06/21 15:10	09/07/21 15:59	TJD	Mt. Juliet, TN

BH-3 (9-10) L1396424-17 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 04:14	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 10:07	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 16:11	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 00:31	JN	Mt. Juliet, TN

BH-3 (14-15) L1396424-18 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 04:24	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 10:28	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 16:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 00:44	JN	Mt. Juliet, TN

BH-4 (0-1) L1396424-19 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 04:33	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 10:50	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 16:49	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 03:22	JN	Mt. Juliet, TN

BH-4 (2-3) L1396424-20 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733216	1	09/01/21 16:27	09/02/21 04:43	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 16:41	09/05/21 11:11	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 16:41	09/04/21 17:08	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 02:42	JN	Mt. Juliet, TN

SAMPLE SUMMARY

BH-4 (4-5) L1396424-21 Solid

			Collected by	Collected date/time	Received date/time	
			Joe Tyler	08/24/21 00:00	08/28/21 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 20:35	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 19:01	09/05/21 11:33	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 19:01	09/04/21 17:27	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 00:58	JN	Mt. Juliet, TN

BH-5 (0-1) L1396424-22 Solid

			Collected by	Collected date/time	Received date/time	
			Joe Tyler	08/24/21 00:00	08/28/21 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 21:13	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 19:01	09/05/21 11:54	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 19:01	09/04/21 17:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 04:01	JN	Mt. Juliet, TN

BH-5 (2-3) L1396424-23 Solid

			Collected by	Collected date/time	Received date/time	
			Joe Tyler	08/24/21 00:00	08/28/21 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 21:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 19:01	09/05/21 12:16	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 19:01	09/04/21 18:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 02:16	JN	Mt. Juliet, TN

BH-5 (4-5) L1396424-24 Solid

			Collected by	Collected date/time	Received date/time	
			Joe Tyler	08/24/21 00:00	08/28/21 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1735064	1	09/07/21 09:09	09/07/21 09:24	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 21:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 19:01	09/05/21 12:37	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 19:01	09/04/21 18:25	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 02:29	JN	Mt. Juliet, TN

BH-5 (6-7) L1396424-25 Solid

			Collected by	Collected date/time	Received date/time	
			Joe Tyler	08/24/21 00:00	08/28/21 09:15	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733222	1	09/01/21 16:23	09/01/21 21:41	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 19:01	09/05/21 12:59	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734829	1	09/01/21 19:01	09/04/21 18:44	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 01:11	JN	Mt. Juliet, TN

BH-5 (9-10) L1396424-26 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/02/21 22:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1734731	1	09/01/21 19:01	09/05/21 13:20	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 10:23	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734667	1	09/03/21 15:50	09/06/21 01:24	JN	Mt. Juliet, TN

BH-5 (14-15) L1396424-27 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/02/21 23:35	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1	09/01/21 19:01	09/08/21 00:32	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 10:42	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 14:19	DMG	Mt. Juliet, TN

BH-5 (19-20) L1396424-28 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/02/21 23:45	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1.01	09/01/21 19:01	09/08/21 00:54	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 11:02	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 14:32	DMG	Mt. Juliet, TN

BH-6 (0-1) L1396424-29 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/02/21 23:54	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1	09/01/21 19:01	09/08/21 01:16	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 11:21	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 16:09	DMG	Mt. Juliet, TN

BH-6 (2-3) L1396424-30 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/03/21 00:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1	09/01/21 19:01	09/08/21 01:39	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 11:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 15:28	DMG	Mt. Juliet, TN

BH-6 (4-5) L1396424-31 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/03/21 00:32	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1	09/01/21 19:01	09/08/21 02:01	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 11:59	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 14:46	DMG	Mt. Juliet, TN

BH-7 (0-1) L1396424-32 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/03/21 00:42	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1.01	09/01/21 19:01	09/08/21 02:23	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 12:18	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 15:55	DMG	Mt. Juliet, TN

BH-8 (0-1) L1396424-33 Solid

Collected by: Joe Tyler | Collected date/time: 08/24/21 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	WG1735065	1	09/07/21 09:01	09/07/21 09:08	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1733942	1	09/02/21 20:12	09/03/21 00:51	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1736515	1	09/01/21 19:01	09/08/21 02:45	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1734873	1	09/01/21 19:01	09/05/21 12:38	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1734751	1	09/04/21 06:47	09/06/21 16:23	DMG	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

Project Narrative

L1396424-27, -28, -29, -30, -31, -32, -33: GRO is reporting outside of the hold time by a few hours due to a QC failure in the first analysis.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		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	2200	V	98.9	215	10	09/02/2021 00:35	WG1733216

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	0.108	1	09/04/2021 10:30	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 10:30*	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		0.000537	0.00115	1	09/04/2021 03:16	WG1734827
Toluene	U		0.00150	0.00575	1	09/04/2021 03:16	WG1734827
Ethylbenzene	U		0.000848	0.00288	1	09/04/2021 03:16	WG1734827
Total Xylenes	U		0.00101	0.00748	1	09/04/2021 03:16	WG1734827
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 03:16*	WG1734827
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/04/2021 03:16*	WG1734827
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/04/2021 03:16*	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	6.51		1.73	4.30	1	09/07/2021 21:42	WG1735752
C28-C36 Motor Oil Range	8.27		0.295	4.30	1	09/07/2021 21:42	WG1735752
(S) o-Terphenyl	*56.5*			*18.0-148*		*09/07/2021 21:42*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		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	1430		99.4	216	10	09/02/2021 01:14	WG1733216

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	09/04/2021 10:52	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 10:52*	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		0.000542	0.00116	1	09/04/2021 03:35	WG1734827
Toluene	U		0.00151	0.00580	1	09/04/2021 03:35	WG1734827
Ethylbenzene	U		0.000855	0.00290	1	09/04/2021 03:35	WG1734827
Total Xylenes	U		0.00102	0.00754	1	09/04/2021 03:35	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 03:35*	WG1734827
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*09/04/2021 03:35*	WG1734827
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*		*09/04/2021 03:35*	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	10.6		1.74	4.32	1	09/07/2021 21:56	WG1735752
C28-C36 Motor Oil Range	35.2		0.296	4.32	1	09/07/2021 21:56	WG1735752
(S) o-Terphenyl	*55.9*			*18.0-148*		*09/07/2021 21:56*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		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	1250		99.7	217	10	09/02/2021 01:23	WG1733216

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		0.0235	0.108	1	09/04/2021 11:14	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 11:14*	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		0.000545	0.00117	1	09/04/2021 03:54	WG1734827
Toluene	U		0.00152	0.00583	1	09/04/2021 03:54	WG1734827
Ethylbenzene	U		0.000860	0.00292	1	09/04/2021 03:54	WG1734827
Total Xylenes	U		0.00103	0.00758	1	09/04/2021 03:54	WG1734827
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 03:54*	WG1734827
(S) 4-Bromofluorobenzene	*97.2*			*67.0-138*		*09/04/2021 03:54*	WG1734827
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*09/04/2021 03:54*	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	4.79		1.74	4.33	1	09/07/2021 21:29	WG1735752
C28-C36 Motor Oil Range	11.9		0.297	4.33	1	09/07/2021 21:29	WG1735752
(S) o-Terphenyl	*61.7*			*18.0-148*		*09/07/2021 21:29*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		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	930		99.6	217	10	09/02/2021 01:33	WG1733216

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		0.0235	0.108	1	09/04/2021 11:35	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 11:35*	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		0.000544	0.00117	1	09/04/2021 04:13	WG1734827
Toluene	U		0.00152	0.00583	1	09/04/2021 04:13	WG1734827
Ethylbenzene	U		0.000859	0.00291	1	09/04/2021 04:13	WG1734827
Total Xylenes	U		0.00103	0.00758	1	09/04/2021 04:13	WG1734827
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 04:13*	WG1734827
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*09/04/2021 04:13*	WG1734827
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*09/04/2021 04:13*	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		1.74	4.33	1	09/07/2021 18:58	WG1735752
C28-C36 Motor Oil Range	0.329	J	0.297	4.33	1	09/07/2021 18:58	WG1735752
(S) o-Terphenyl	*63.1*			*18.0-148*		*09/07/2021 18:58*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	09/07/2021 07:41	WG1734876

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	559		10.1	21.9	1	09/02/2021 01:42	WG1733216

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	09/04/2021 11:57	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/04/2021 11:57*	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		0.000554	0.00119	1	09/04/2021 04:32	WG1734827
Toluene	U		0.00154	0.00593	1	09/04/2021 04:32	WG1734827
Ethylbenzene	U		0.000874	0.00297	1	09/04/2021 04:32	WG1734827
Total Xylenes	U		0.00104	0.00771	1	09/04/2021 04:32	WG1734827
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 04:32*	WG1734827
(S) 4-Bromofluorobenzene	*97.5*			*67.0-138*		*09/04/2021 04:32*	WG1734827
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*09/04/2021 04:32*	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	4.37	1	09/07/2021 18:45	WG1735752
C28-C36 Motor Oil Range	U		0.300	4.37	1	09/07/2021 18:45	WG1735752
(S) o-Terphenyl	*58.9*			*18.0-148*		*09/07/2021 18:45*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	09/07/2021 07:41	WG1734876

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	314		9.94	21.6	1	09/02/2021 02:11	WG1733216

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	09/04/2021 12:18	WG1734725
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/04/2021 12:18*	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	J3	0.000542	0.00116	1	09/04/2021 04:52	WG1734827
Toluene	U	J3	0.00151	0.00581	1	09/04/2021 04:52	WG1734827
Ethylbenzene	U	J3	0.000856	0.00290	1	09/04/2021 04:52	WG1734827
Total Xylenes	U	J3	0.00102	0.00755	1	09/04/2021 04:52	WG1734827
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 04:52*	WG1734827
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*09/04/2021 04:52*	WG1734827
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*09/04/2021 04:52*	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	4.24	J	1.74	4.32	1	09/07/2021 19:26	WG1735752
C28-C36 Motor Oil Range	0.619	J	0.296	4.32	1	09/07/2021 19:26	WG1735752
(S) o-Terphenyl	*45.8*			*18.0-148*		*09/07/2021 19:26*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	09/07/2021 07:41	WG1734876

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	273		10.2	22.2	1	09/02/2021 02:20	WG1733216

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	09/05/2021 06:32	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 06:32*	WG1734731

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	09/04/2021 12:59	WG1734829
Toluene	U		0.00159	0.00610	1	09/04/2021 12:59	WG1734829
Ethylbenzene	U		0.000899	0.00305	1	09/04/2021 12:59	WG1734829
Total Xylenes	0.00669	J	0.00107	0.00793	1	09/07/2021 20:42	WG1736387
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 12:59*	WG1734829
(S) Toluene-d8	*102*			*75.0-131*		*09/07/2021 20:42*	WG1736387
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/04/2021 12:59*	WG1734829
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/07/2021 20:42*	WG1736387
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*09/04/2021 12:59*	WG1734829
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*09/07/2021 20:42*	WG1736387

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	2.29	J	1.79	4.44	1	09/07/2021 19:40	WG1735752
C28-C36 Motor Oil Range	U		0.304	4.44	1	09/07/2021 19:40	WG1735752
(S) o-Terphenyl	*60.0*			*18.0-148*		*09/07/2021 19:40*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	09/07/2021 07:41	WG1734876

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	72.7		10.1	22.0	1	09/02/2021 02:30	WG1733216

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	1.01	09/05/2021 06:54	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 06:54*	WG1734731

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	09/04/2021 13:18	WG1734829
Toluene	U		0.00156	0.00599	1	09/04/2021 13:18	WG1734829
Ethylbenzene	U		0.000882	0.00299	1	09/04/2021 13:18	WG1734829
Total Xylenes	0.00287	J	0.00105	0.00778	1	09/07/2021 21:01	WG1736387
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 13:18*	WG1734829
(S) Toluene-d8	*113*			*75.0-131*		*09/07/2021 21:01*	WG1736387
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*09/04/2021 13:18*	WG1734829
(S) 4-Bromofluorobenzene	*94.1*			*67.0-138*		*09/07/2021 21:01*	WG1736387
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*09/04/2021 13:18*	WG1734829
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/07/2021 21:01*	WG1736387

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	7.31		1.77	4.40	1	09/07/2021 22:10	WG1735752
C28-C36 Motor Oil Range	21.3		0.301	4.40	1	09/07/2021 22:10	WG1735752
(S) o-Terphenyl	*56.0*			*18.0-148*		*09/07/2021 22:10*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	09/07/2021 07:41	WG1734876

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	360		10.2	22.1	1	09/02/2021 02:39	WG1733216

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	09/05/2021 07:15	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 07:15*	WG1734731

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 13:37	WG1734829
Toluene	U		0.00158	0.00607	1	09/04/2021 13:37	WG1734829
Ethylbenzene	U		0.000894	0.00303	1	09/04/2021 13:37	WG1734829
Total Xylenes	0.00252	J	0.00107	0.00789	1	09/07/2021 21:20	WG1736387
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 13:37*	WG1734829
(S) Toluene-d8	*113*			*75.0-131*		*09/07/2021 21:20*	WG1736387
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*09/04/2021 13:37*	WG1734829
(S) 4-Bromofluorobenzene	*95.0*			*67.0-138*		*09/07/2021 21:20*	WG1736387
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/04/2021 13:37*	WG1734829
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*09/07/2021 21:20*	WG1736387

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	4.43	1	09/07/2021 19:12	WG1735752
C28-C36 Motor Oil Range	0.753	J	0.303	4.43	1	09/07/2021 19:12	WG1735752
(S) o-Terphenyl	*56.4*			*18.0-148*		*09/07/2021 19:12*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	09/07/2021 07:41	WG1734876

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	279		9.63	20.9	1	09/02/2021 02:49	WG1733216

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	1.01	09/05/2021 07:37	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 07:37*	WG1734731

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		0.000511	0.00109	1	09/04/2021 13:56	WG1734829
Toluene	U		0.00142	0.00547	1	09/04/2021 13:56	WG1734829
Ethylbenzene	U		0.000806	0.00273	1	09/04/2021 13:56	WG1734829
Total Xylenes	U		0.000963	0.00711	1	09/04/2021 13:56	WG1734829
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 13:56*	WG1734829
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*09/04/2021 13:56*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/04/2021 13:56*	WG1734829

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	1.73	J	1.69	4.19	1	09/07/2021 15:17	WG1735752
C28-C36 Motor Oil Range	0.721	J	0.287	4.19	1	09/07/2021 15:17	WG1735752
(S) o-Terphenyl	*57.6*			*18.0-148*		*09/07/2021 15:17*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.8		1	09/07/2021 07:41	WG1734876

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	187		9.61	20.9	1	09/02/2021 02:58	WG1733216

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		0.0227	0.104	1	09/05/2021 07:58	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 07:58*	WG1734731

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		0.000508	0.00109	1	09/04/2021 14:15	WG1734829
Toluene	U		0.00141	0.00544	1	09/04/2021 14:15	WG1734829
Ethylbenzene	U		0.000802	0.00272	1	09/04/2021 14:15	WG1734829
Total Xylenes	U		0.000958	0.00707	1	09/04/2021 14:15	WG1734829
(S) Toluene-d8	*103*			*75.0-131*		*09/04/2021 14:15*	WG1734829
(S) 4-Bromofluorobenzene	*95.7*			*67.0-138*		*09/04/2021 14:15*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*09/04/2021 14:15*	WG1734829

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	1.80	J	1.68	4.18	1	09/07/2021 15:03	WG1735752
C28-C36 Motor Oil Range	0.330	J	0.286	4.18	1	09/07/2021 15:03	WG1735752
(S) o-Terphenyl	*43.5*			*18.0-148*		*09/07/2021 15:03*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	09/07/2021 07:41	WG1734876

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	196		9.66	21.0	1	09/02/2021 03:08	WG1733216

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	09/05/2021 08:20	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 08:20*	WG1734731

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		0.000513	0.00110	1	09/04/2021 14:34	WG1734829
Toluene	U		0.00143	0.00550	1	09/04/2021 14:34	WG1734829
Ethylbenzene	U		0.000810	0.00275	1	09/04/2021 14:34	WG1734829
Total Xylenes	U		0.000967	0.00715	1	09/04/2021 14:34	WG1734829
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 14:34*	WG1734829
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/04/2021 14:34*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*09/04/2021 14:34*	WG1734829

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	09/07/2021 15:31	WG1735752
C28-C36 Motor Oil Range	0.413	J	0.288	4.20	1	09/07/2021 15:31	WG1735752
(S) o-Terphenyl	*52.4*			*18.0-148*		*09/07/2021 15:31*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	09/07/2021 07:41	WG1734876

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	1800		98.0	213	10	09/02/2021 03:17	WG1733216

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	09/05/2021 08:41	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 08:41*	WG1734731

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		0.000528	0.00113	1	09/04/2021 14:53	WG1734829
Toluene	U		0.00147	0.00565	1	09/04/2021 14:53	WG1734829
Ethylbenzene	U		0.000833	0.00283	1	09/04/2021 14:53	WG1734829
Total Xylenes	U		0.000995	0.00735	1	09/04/2021 14:53	WG1734829
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 14:53*	WG1734829
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*09/04/2021 14:53*	WG1734829
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*09/04/2021 14:53*	WG1734829

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	4.94		1.72	4.26	1	09/07/2021 21:15	WG1735752
C28-C36 Motor Oil Range	7.72		0.292	4.26	1	09/07/2021 21:15	WG1735752
(S) o-Terphenyl	*60.4*			*18.0-148*		*09/07/2021 21:15*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.6		1	09/07/2021 07:41	WG1734876

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	1190		99.4	216	10	09/02/2021 03:27	WG1733216

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	09/05/2021 09:02	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 09:02*	WG1734731

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		0.000542	0.00116	1	09/04/2021 15:13	WG1734829
Toluene	U		0.00151	0.00580	1	09/04/2021 15:13	WG1734829
Ethylbenzene	U		0.000855	0.00290	1	09/04/2021 15:13	WG1734829
Total Xylenes	U		0.00102	0.00754	1	09/04/2021 15:13	WG1734829
(S) Toluene-d8	*103*			*75.0-131*		*09/04/2021 15:13*	WG1734829
(S) 4-Bromofluorobenzene	*96.7*			*67.0-138*		*09/04/2021 15:13*	WG1734829
(S) 1,2-Dichloroethane-d4	*93.8*			*70.0-130*		*09/04/2021 15:13*	WG1734829

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	3.14	J	1.74	4.32	1	09/07/2021 19:54	WG1735752
C28-C36 Motor Oil Range	4.57		0.296	4.32	1	09/07/2021 19:54	WG1735752
(S) o-Terphenyl	*48.9*			*18.0-148*		*09/07/2021 19:54*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	09/07/2021 09:24	WG1735064

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	492		9.59	20.9	1	09/02/2021 03:36	WG1733216

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	09/05/2021 09:24	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 09:24*	WG1734731

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	09/04/2021 15:32	WG1734829
Toluene	U		0.00141	0.00543	1	09/04/2021 15:32	WG1734829
Ethylbenzene	U		0.000800	0.00271	1	09/04/2021 15:32	WG1734829
Total Xylenes	U		0.000956	0.00706	1	09/04/2021 15:32	WG1734829
(S) Toluene-d8	*108*			*75.0-131*		*09/04/2021 15:32*	WG1734829
(S) 4-Bromofluorobenzene	*97.7*			*67.0-138*		*09/04/2021 15:32*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.2*			*70.0-130*		*09/04/2021 15:32*	WG1734829

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	1.77	J	1.68	4.17	1	09/07/2021 15:45	WG1735752
C28-C36 Motor Oil Range	0.699	J	0.286	4.17	1	09/07/2021 15:45	WG1735752
(S) o-Terphenyl	*60.1*			*18.0-148*		*09/07/2021 15:45*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	09/07/2021 09:24	WG1735064

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	268		9.82	21.3	1	09/02/2021 04:05	WG1733216

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		0.0232	0.107	1	09/05/2021 09:46	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 09:46*	WG1734731

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		0.000530	0.00113	1	09/04/2021 15:51	WG1734829
Toluene	U		0.00147	0.00567	1	09/04/2021 15:51	WG1734829
Ethylbenzene	U		0.000836	0.00283	1	09/04/2021 15:51	WG1734829
Total Xylenes	U		0.000998	0.00737	1	09/04/2021 15:51	WG1734829
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 15:51*	WG1734829
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*09/04/2021 15:51*	WG1734829
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*09/04/2021 15:51*	WG1734829

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		1.72	4.27	1	09/07/2021 15:59	WG1735752
C28-C36 Motor Oil Range	0.298	J	0.292	4.27	1	09/07/2021 15:59	WG1735752
(S) o-Terphenyl	*50.6*			*18.0-148*		*09/07/2021 15:59*	WG1735752

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	09/07/2021 09:24	WG1735064

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	307		9.83	21.4	1	09/02/2021 04:14	WG1733216

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		0.0232	0.107	1	09/05/2021 10:07	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 10:07*	WG1734731

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		0.000531	0.00114	1	09/04/2021 16:11	WG1734829
Toluene	U		0.00148	0.00569	1	09/04/2021 16:11	WG1734829
Ethylbenzene	U		0.000839	0.00284	1	09/04/2021 16:11	WG1734829
Total Xylenes	U		0.00100	0.00740	1	09/04/2021 16:11	WG1734829
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 16:11*	WG1734829
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*09/04/2021 16:11*	WG1734829
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*09/04/2021 16:11*	WG1734829

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		1.72	4.28	1	09/06/2021 00:31	WG1734667
C28-C36 Motor Oil Range	U		0.293	4.28	1	09/06/2021 00:31	WG1734667
(S) o-Terphenyl	*68.1*			*18.0-148*		*09/06/2021 00:31*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.7		1	09/07/2021 09:24	WG1735064

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	51.0		9.62	20.9	1	09/02/2021 04:24	WG1733216

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		0.0227	0.105	1	09/05/2021 10:28	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 10:28*	WG1734731

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		0.000509	0.00109	1	09/04/2021 16:30	WG1734829
Toluene	U		0.00142	0.00545	1	09/04/2021 16:30	WG1734829
Ethylbenzene	U		0.000804	0.00273	1	09/04/2021 16:30	WG1734829
Total Xylenes	U		0.000960	0.00709	1	09/04/2021 16:30	WG1734829
(S) Toluene-d8	*103*			*75.0-131*		*09/04/2021 16:30*	WG1734829
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*09/04/2021 16:30*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*09/04/2021 16:30*	WG1734829

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	4.18	1	09/06/2021 00:44	WG1734667
C28-C36 Motor Oil Range	U		0.286	4.18	1	09/06/2021 00:44	WG1734667
(S) o-Terphenyl	*69.4*			*18.0-148*		*09/06/2021 00:44*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	09/07/2021 09:24	WG1735064

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	235		9.73	21.2	1	09/02/2021 04:33	WG1733216

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	09/05/2021 10:50	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 10:50*	WG1734731

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 16:49	WG1734829
Toluene	U		0.00145	0.00558	1	09/04/2021 16:49	WG1734829
Ethylbenzene	U		0.000822	0.00279	1	09/04/2021 16:49	WG1734829
Total Xylenes	U		0.000981	0.00725	1	09/04/2021 16:49	WG1734829
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 16:49*	WG1734829
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*09/04/2021 16:49*	WG1734829
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*09/04/2021 16:49*	WG1734829

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	3.05	J	1.70	4.23	1	09/06/2021 03:22	WG1734667
C28-C36 Motor Oil Range	8.49		0.290	4.23	1	09/06/2021 03:22	WG1734667
(S) o-Terphenyl	*75.5*			*18.0-148*		*09/06/2021 03:22*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	09/07/2021 09:24	WG1735064

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	327		9.81	21.3	1	09/02/2021 04:43	WG1733216

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	09/05/2021 11:11	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 11:11*	WG1734731

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 17:08	WG1734829
Toluene	U		0.00147	0.00566	1	09/04/2021 17:08	WG1734829
Ethylbenzene	U		0.000835	0.00283	1	09/04/2021 17:08	WG1734829
Total Xylenes	U		0.000997	0.00736	1	09/04/2021 17:08	WG1734829
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 17:08*	WG1734829
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*09/04/2021 17:08*	WG1734829
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*		*09/04/2021 17:08*	WG1734829

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		1.72	4.27	1	09/06/2021 02:42	WG1734667
C28-C36 Motor Oil Range	3.36	J	0.292	4.27	1	09/06/2021 02:42	WG1734667
(S) o-Terphenyl	*70.8*			*18.0-148*		*09/06/2021 02:42*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.7		1	09/07/2021 09:24	WG1735064

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	58.2		9.41	20.5	1	09/01/2021 20:35	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		0.0222	0.102	1	09/05/2021 11:33	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 11:33*	WG1734731

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		0.000489	0.00105	1	09/04/2021 17:27	WG1734829
Toluene	U		0.00136	0.00523	1	09/04/2021 17:27	WG1734829
Ethylbenzene	U		0.000771	0.00262	1	09/04/2021 17:27	WG1734829
Total Xylenes	U		0.000921	0.00680	1	09/04/2021 17:27	WG1734829
(S) Toluene-d8	*107*			*75.0-131*		*09/04/2021 17:27*	WG1734829
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*09/04/2021 17:27*	WG1734829
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*09/04/2021 17:27*	WG1734829

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		1.65	4.09	1	09/06/2021 00:58	WG1734667
C28-C36 Motor Oil Range	U		0.280	4.09	1	09/06/2021 00:58	WG1734667
(S) o-Terphenyl	*74.3*			*18.0-148*		*09/06/2021 00:58*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	09/07/2021 09:24	WG1735064

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	56.8		9.92	21.6	1	09/01/2021 21:13	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		0.0234	0.108	1	09/05/2021 11:54	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 11:54*	WG1734731

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		0.000540	0.00116	1	09/04/2021 17:46	WG1734829
Toluene	U		0.00150	0.00578	1	09/04/2021 17:46	WG1734829
Ethylbenzene	U		0.000853	0.00289	1	09/04/2021 17:46	WG1734829
Total Xylenes	U		0.00102	0.00752	1	09/04/2021 17:46	WG1734829
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 17:46*	WG1734829
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*09/04/2021 17:46*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/04/2021 17:46*	WG1734829

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	15.9		1.74	4.31	1	09/06/2021 04:01	WG1734667
C28-C36 Motor Oil Range	50.4		0.296	4.31	1	09/06/2021 04:01	WG1734667
(S) o-Terphenyl	*72.8*			*18.0-148*		*09/06/2021 04:01*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	09/07/2021 09:24	WG1735064

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	679		9.84	21.4	1	09/01/2021 21:22	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		0.0232	0.107	1	09/05/2021 12:16	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*09/05/2021 12:16*	WG1734731

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		0.000532	0.00114	1	09/04/2021 18:05	WG1734829
Toluene	U		0.00148	0.00570	1	09/04/2021 18:05	WG1734829
Ethylbenzene	U		0.000839	0.00285	1	09/04/2021 18:05	WG1734829
Total Xylenes	U		0.00100	0.00740	1	09/04/2021 18:05	WG1734829
(S) Toluene-d8	*106*			*75.0-131*		*09/04/2021 18:05*	WG1734829
(S) 4-Bromofluorobenzene	*97.3*			*67.0-138*		*09/04/2021 18:05*	WG1734829
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*09/04/2021 18:05*	WG1734829

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	1.90	J	1.72	4.28	1	09/06/2021 02:16	WG1734667
C28-C36 Motor Oil Range	1.98	J	0.293	4.28	1	09/06/2021 02:16	WG1734667
(S) o-Terphenyl	*78.7*			*18.0-148*		*09/06/2021 02:16*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	09/07/2021 09:24	WG1735064

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	274		9.95	21.6	1	09/01/2021 21:32	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		0.0235	0.108	1	09/05/2021 12:37	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 12:37*	WG1734731

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		0.000543	0.00116	1	09/04/2021 18:25	WG1734829
Toluene	U		0.00151	0.00582	1	09/04/2021 18:25	WG1734829
Ethylbenzene	U		0.000857	0.00291	1	09/04/2021 18:25	WG1734829
Total Xylenes	U		0.00102	0.00756	1	09/04/2021 18:25	WG1734829
(S) Toluene-d8	*105*			*75.0-131*		*09/04/2021 18:25*	WG1734829
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*09/04/2021 18:25*	WG1734829
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*09/04/2021 18:25*	WG1734829

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		1.74	4.33	1	09/06/2021 02:29	WG1734667
C28-C36 Motor Oil Range	U		0.296	4.33	1	09/06/2021 02:29	WG1734667
(S) o-Terphenyl	*73.4*			*18.0-148*		*09/06/2021 02:29*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/07/2021 09:08	WG1735065

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	327		9.75	21.2	1	09/01/2021 21:41	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	09/05/2021 12:59	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 12:59*	WG1734731

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 18:44	WG1734829
Toluene	U		0.00145	0.00560	1	09/04/2021 18:44	WG1734829
Ethylbenzene	U		0.000825	0.00280	1	09/04/2021 18:44	WG1734829
Total Xylenes	U		0.000985	0.00727	1	09/04/2021 18:44	WG1734829
(S) Toluene-d8	*104*			*75.0-131*		*09/04/2021 18:44*	WG1734829
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*09/04/2021 18:44*	WG1734829
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/04/2021 18:44*	WG1734829

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	09/06/2021 01:11	WG1734667
C28-C36 Motor Oil Range	U		0.290	4.24	1	09/06/2021 01:11	WG1734667
(S) o-Terphenyl	*74.7*			*18.0-148*		*09/06/2021 01:11*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	09/07/2021 09:08	WG1735065

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	330	J6	9.72	21.1	1	09/02/2021 22:58	WG1733942

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	09/05/2021 13:20	WG1734731
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*09/05/2021 13:20*	WG1734731

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	09/05/2021 10:23	WG1734873
Toluene	U		0.00145	0.00556	1	09/05/2021 10:23	WG1734873
Ethylbenzene	U		0.000820	0.00278	1	09/05/2021 10:23	WG1734873
Total Xylenes	U		0.000979	0.00723	1	09/05/2021 10:23	WG1734873
(S) Toluene-d8	*102*			*75.0-131*		*09/05/2021 10:23*	WG1734873
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/05/2021 10:23*	WG1734873
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*		*09/05/2021 10:23*	WG1734873

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	09/06/2021 01:24	WG1734667
C28-C36 Motor Oil Range	U		0.289	4.22	1	09/06/2021 01:24	WG1734667
(S) o-Terphenyl	*77.0*			*18.0-148*		*09/06/2021 01:24*	WG1734667

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	09/07/2021 09:08	WG1735065

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	290		9.59	20.8	1	09/02/2021 23:35	WG1733942

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	Q	0.0226	0.104	1	09/08/2021 00:32	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*89.7*			*77.0-120*		*09/08/2021 00:32*	WG1736515

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		0.000506	0.00108	1	09/05/2021 10:42	WG1734873
Toluene	U		0.00141	0.00542	1	09/05/2021 10:42	WG1734873
Ethylbenzene	U		0.000799	0.00271	1	09/05/2021 10:42	WG1734873
Total Xylenes	U		0.000954	0.00705	1	09/05/2021 10:42	WG1734873
(S) Toluene-d8	*101*			*75.0-131*		*09/05/2021 10:42*	WG1734873
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*09/05/2021 10:42*	WG1734873
(S) 1,2-Dichloroethane-d4	*98.2*			*70.0-130*		*09/05/2021 10:42*	WG1734873

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	09/06/2021 14:19	WG1734751
C28-C36 Motor Oil Range	U		0.286	4.17	1	09/06/2021 14:19	WG1734751
(S) o-Terphenyl	*54.1*			*18.0-148*		*09/06/2021 14:19*	WG1734751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.7		1	09/07/2021 09:08	WG1735065

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	329		9.82	21.3	1	09/02/2021 23:45	WG1733942

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	Q	0.0234	0.108	1.01	09/08/2021 00:54	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*09/08/2021 00:54*	WG1736515

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		0.000530	0.00113	1	09/05/2021 11:02	WG1734873
Toluene	U		0.00148	0.00567	1	09/05/2021 11:02	WG1734873
Ethylbenzene	U		0.000836	0.00284	1	09/05/2021 11:02	WG1734873
Total Xylenes	U		0.000999	0.00738	1	09/05/2021 11:02	WG1734873
(S) Toluene-d8	*102*			*75.0-131*		*09/05/2021 11:02*	WG1734873
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/05/2021 11:02*	WG1734873
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/05/2021 11:02*	WG1734873

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		1.72	4.27	1	09/06/2021 14:32	WG1734751
C28-C36 Motor Oil Range	0.654	J	0.292	4.27	1	09/06/2021 14:32	WG1734751
(S) o-Terphenyl	*54.1*			*18.0-148*		*09/06/2021 14:32*	WG1734751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	09/07/2021 09:08	WG1735065

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	95.5		9.60	20.9	1	09/02/2021 23:54	WG1733942

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	Q	0.0226	0.104	1	09/08/2021 01:16	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*88.8*			*77.0-120*		*09/08/2021 01:16*	WG1736515

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	09/05/2021 11:21	WG1734873
Toluene	U		0.00141	0.00543	1	09/05/2021 11:21	WG1734873
Ethylbenzene	U		0.000801	0.00272	1	09/05/2021 11:21	WG1734873
Total Xylenes	U		0.000956	0.00706	1	09/05/2021 11:21	WG1734873
(S) Toluene-d8	*102*			*75.0-131*		*09/05/2021 11:21*	WG1734873
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/05/2021 11:21*	WG1734873
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/05/2021 11:21*	WG1734873

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	2.61	J	1.68	4.17	1	09/06/2021 16:09	WG1734751
C28-C36 Motor Oil Range	8.45		0.286	4.17	1	09/06/2021 16:09	WG1734751
(S) o-Terphenyl	*56.3*			*18.0-148*		*09/06/2021 16:09*	WG1734751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	09/07/2021 09:08	WG1735065

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	183		9.83	21.4	1	09/03/2021 00:04	WG1733942

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	Q	0.0232	0.107	1	09/08/2021 01:39	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*88.5*			*77.0-120*		*09/08/2021 01:39*	WG1736515

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		0.000530	0.00114	1	09/05/2021 11:40	WG1734873
Toluene	U		0.00148	0.00568	1	09/05/2021 11:40	WG1734873
Ethylbenzene	U		0.000837	0.00284	1	09/05/2021 11:40	WG1734873
Total Xylenes	U		0.00100	0.00738	1	09/05/2021 11:40	WG1734873
(S) Toluene-d8	*101*			*75.0-131*		*09/05/2021 11:40*	WG1734873
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/05/2021 11:40*	WG1734873
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/05/2021 11:40*	WG1734873

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		1.72	4.27	1	09/06/2021 15:28	WG1734751
C28-C36 Motor Oil Range	2.62	J	0.293	4.27	1	09/06/2021 15:28	WG1734751
(S) o-Terphenyl	*51.2*			*18.0-148*		*09/06/2021 15:28*	WG1734751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	09/07/2021 09:08	WG1735065

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	299		9.72	21.1	1	09/03/2021 00:32	WG1733942

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	Q	0.0229	0.106	1	09/08/2021 02:01	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*89.7*			*77.0-120*		*09/08/2021 02:01*	WG1736515

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	09/05/2021 11:59	WG1734873
Toluene	U		0.00145	0.00556	1	09/05/2021 11:59	WG1734873
Ethylbenzene	U		0.000820	0.00278	1	09/05/2021 11:59	WG1734873
Total Xylenes	U		0.000979	0.00723	1	09/05/2021 11:59	WG1734873
(S) Toluene-d8	*102*			*75.0-131*		*09/05/2021 11:59*	WG1734873
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/05/2021 11:59*	WG1734873
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/05/2021 11:59*	WG1734873

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	09/06/2021 14:46	WG1734751
C28-C36 Motor Oil Range	U		0.289	4.22	1	09/06/2021 14:46	WG1734751
(S) o-Terphenyl	*53.7*			*18.0-148*		*09/06/2021 14:46*	WG1734751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	09/07/2021 09:08	WG1735065

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	333		9.72	21.1	1	09/03/2021 00:42	WG1733942

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	Q	0.0231	0.107	1.01	09/08/2021 02:23	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*89.7*			*77.0-120*		*09/08/2021 02:23*	WG1736515

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	09/05/2021 12:18	WG1734873
Toluene	U		0.00145	0.00556	1	09/05/2021 12:18	WG1734873
Ethylbenzene	U		0.000820	0.00278	1	09/05/2021 12:18	WG1734873
Total Xylenes	U		0.000979	0.00723	1	09/05/2021 12:18	WG1734873
(S) Toluene-d8	*103*			*75.0-131*		*09/05/2021 12:18*	WG1734873
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/05/2021 12:18*	WG1734873
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/05/2021 12:18*	WG1734873

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	2.03	J	1.70	4.22	1	09/06/2021 15:55	WG1734751
C28-C36 Motor Oil Range	4.30		0.289	4.22	1	09/06/2021 15:55	WG1734751
(S) o-Terphenyl	*47.1*			*18.0-148*		*09/06/2021 15:55*	WG1734751

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	09/07/2021 09:08	WG1735065

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	71.5		9.93	21.6	1	09/03/2021 00:51	WG1733942

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	Q	0.0234	0.108	1	09/08/2021 02:45	WG1736515
(S) a,a,a-Trifluorotoluene(FID)	*89.5*			*77.0-120*		*09/08/2021 02:45*	WG1736515

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	09/05/2021 12:38	WG1734873
Toluene	U		0.00150	0.00579	1	09/05/2021 12:38	WG1734873
Ethylbenzene	U		0.000853	0.00289	1	09/05/2021 12:38	WG1734873
Total Xylenes	U		0.00102	0.00752	1	09/05/2021 12:38	WG1734873
(S) Toluene-d8	*104*			*75.0-131*		*09/05/2021 12:38*	WG1734873
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/05/2021 12:38*	WG1734873
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*09/05/2021 12:38*	WG1734873

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	10.5		1.74	4.32	1	09/06/2021 16:23	WG1734751
C28-C36 Motor Oil Range	29.9		0.296	4.32	1	09/06/2021 16:23	WG1734751
(S) o-Terphenyl	*51.5*			*18.0-148*		*09/06/2021 16:23*	WG1734751

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) R3701515-1 09/07/21 07:41

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

L1396424-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1396424-12 09/07/21 07:41 • (DUP) R3701515-3 09/07/21 07:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.3	94.8	1	0.472		10

Laboratory Control Sample (LCS)

(LCS) R3701515-2 09/07/21 07:41

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) R3701214-1 09/07/21 09:24

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1396424-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1396424-24 09/07/21 09:24 • (DUP) R3701214-3 09/07/21 09:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.4	92.7	1	0.320		10

Laboratory Control Sample (LCS)

(LCS) R3701214-2 09/07/21 09:24

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) R3701209-1 09/07/21 09:08

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

L1396428-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1396428-01 09/07/21 09:08 • (DUP) R3701209-3 09/07/21 09:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.0	88.2	1	0.189		10

Laboratory Control Sample (LCS)

(LCS) R3701209-2 09/07/21 09:08

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) R3700062-1 09/02/21 00:16

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

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

(OS) L1396424-01 09/02/21 00:35 • (DUP) R3700062-3 09/02/21 00:45

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	2200	2240	10	1.66		20

L1396424-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1396424-20 09/02/21 04:43 • (DUP) R3700062-6 09/02/21 04:52

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	327	321	1	1.92		20

Laboratory Control Sample (LCS)

(LCS) R3700062-2 09/02/21 00:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	195	97.4	90.0-110	

L1396424-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396424-01 09/02/21 00:35 • (MS) R3700062-4 09/02/21 00:55 • (MSD) R3700062-5 09/02/21 01:04

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	538	2200	2760	2920	104	134	10	80.0-120		V	5.68	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	650	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	1390	1180	139	97.0	1	80.0-120	E J5	E	16.4	20

Method Blank (MB)

(MB) R3700151-1 09/02/21 21:51

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

L1396424-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1396424-26 09/02/21 22:58 • (DUP) R3700151-3 09/02/21 23:07

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	330	348	1	5.33		20

L1396463-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1396463-05 09/03/21 01:39 • (DUP) R3700151-6 09/03/21 01:48

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1470	1440	10	2.40		20

Laboratory Control Sample (LCS)

(LCS) R3700151-2 09/02/21 22:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	196	97.9	90.0-110	

L1396424-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396424-26 09/02/21 22:58 • (MS) R3700151-4 09/02/21 23:16 • (MSD) R3700151-5 09/02/21 23:26

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 %
Chloride	528	330	729	771	75.4	83.5	1	80.0-120	J6		5.69	20

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 mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	U	4.14	3.53	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) R3701280-2 09/05/21 06:11

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) R3701280-1 09/05/21 05:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.19	113	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

L1396424-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396424-07 09/05/21 06:32 • (MS) R3701280-3 09/05/21 13:41 • (MSD) R3701280-4 09/05/21 14:03

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 %
TPH (GC/FID) Low Fraction	6.10	U	3.13	3.77	51.3	61.8	1	10.0-151			18.6	28
(S) a,a,a-Trifluorotoluene(FID)					*99.4*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3701527-2 09/07/21 23:48

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)	*90.8*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3701527-1 09/07/21 22:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.98	90.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*111*	*77.0-120*	

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) R3701236-3 09/04/21 12:20

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	*99.2*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*

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

(LCS) R3701236-1 09/04/21 11:03 • (LCSD) R3701236-2 09/04/21 11:23

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	0.120	0.130	96.0	104	70.0-123			8.00	20
Ethylbenzene	0.125	0.123	0.134	98.4	107	74.0-126			8.56	20
Toluene	0.125	0.122	0.127	97.6	102	75.0-121			4.02	20
Xylenes, Total	0.375	0.368	0.379	98.1	101	72.0-127			2.95	20
(S) Toluene-d8				*101*	*100*	*75.0-131*				
(S) 4-Bromofluorobenzene				*108*	*107*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*103*	*103*	*70.0-130*				

L1396424-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396424-25 09/04/21 18:44 • (MS) R3701236-4 09/04/21 19:03 • (MSD) R3701236-5 09/04/21 19:22

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	0.140	U	0.115	0.162	82.4	116	1	10.0-149			33.9	37
Ethylbenzene	0.140	U	0.114	0.163	81.6	117	1	10.0-160			35.5	38
Toluene	0.140	U	0.116	0.163	83.2	117	1	10.0-156			33.6	38
Xylenes, Total	0.420	U	0.322	0.464	76.8	111	1	10.0-160			36.1	38
(S) Toluene-d8					*105*	*105*		*75.0-131*				
(S) 4-Bromofluorobenzene					*94.8*	*96.3*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*95.8*	*95.3*		*70.0-130*				

Method Blank (MB)

(MB) R3701323-2 09/05/21 09:26

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	*100*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3701323-1 09/05/21 08:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.117	93.6	70.0-123	
Ethylbenzene	0.125	0.119	95.2	74.0-126	
Toluene	0.125	0.119	95.2	75.0-121	
Xylenes, Total	0.375	0.355	94.7	72.0-127	
(S) Toluene-d8			*102*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*108*	*70.0-130*	

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

Method Blank (MB)

(MB) R3702562-2 09/07/21 18:03

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	*108*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.1*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3702562-1 09/07/21 17:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Xylenes, Total	0.375	0.365	97.3	72.0-127	
(S) Toluene-d8			*96.2*	*75.0-131*	
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3701233-1 09/05/21 23:52

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	*80.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3701233-2 09/06/21 00:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	43.8	87.6	50.0-150	
(S) o-Terphenyl			*79.7*	*18.0-148*	

L1396424-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396424-22 09/06/21 04:01 • (MS) R3701233-3 09/06/21 04:14 • (MSD) R3701233-4 09/06/21 04:27

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	52.4	15.9	58.5	69.1	81.3	101	1	50.0-150			16.7	20
(S) o-Terphenyl					*66.8*	*76.0*		*18.0-148*				

Method Blank (MB)

(MB) R3700873-1 09/06/21 12:01

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	*59.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3700873-2 09/06/21 12:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	31.9	63.8	50.0-150	
(S) o-Terphenyl			*45.8*	*18.0-148*	

L1397334-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397334-01 09/06/21 18:14 • (MS) R3700873-3 09/06/21 18:28 • (MSD) R3700873-4 09/06/21 18:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	48.5	22.8	68.2	68.8	93.6	97.0	1	50.0-150			0.876	20
(S) o-Terphenyl					*40.7*	*43.2*		*18.0-148*				

Method Blank (MB)

(MB) R3701386-1 09/07/21 07:10

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	*61.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3701386-2 09/07/21 07:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	39.2	78.4	50.0-150	
(S) o-Terphenyl			*57.4*	*18.0-148*	

L1396506-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1396506-01 09/07/21 10:07 • (MS) R3701386-3 09/07/21 10:21 • (MSD) R3701386-4 09/07/21 10:35

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.5	88.4	129	127	82.0	79.1	1	50.0-150			1.56	20
(S) o-Terphenyl					*24.1*	*28.2*		*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
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.
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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.

D145

Analysis Request of Chain of Custody Record

Page : 01 of 04

Tetra Tech, Inc.

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

U3964 24

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU 3315-005	**Contact Info:**	Email: christian.llull@tetratech.com Phone:
Project Location: (County, State)	Lea County, New Mexico	**Project #:**	212C-MD-02493
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
-01	BH-1	(0-1)	8-24			X			X		1	N	X		X											X					
-02		(2-3)																													
-03		(4-5)																													
-04		(6-7)																													
-05		(9-10)																													
-06		(14-15)																													
-07		(19-20)																													
-08	BH-2	(0-1)																													
-09		(2-3)																													
-10		(4-5)																													

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

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
+20%

Analysis Request of Chain of Custody Record

Page : 02 of 04

Tetra Tech, Inc.

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

U3964124

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU 3315-005	**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
-11	BH-2	(6-7)	8-24			X				X			1	N	X		X											X					
-12	↓	(9-10)																															
-13	BH-3	(0-1)																															
-14		(2-3)																															
-15		(4-5)																															
-16		(6-7)																															
-17		(9-10)																															
-18	↓	(14-15)																															
-19	BH-4	(0-1)																															
-20	↓	(2-3)	↓			↓				↓			↓	↓	↓		↓											↓					

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Joe Tyler	8/27/21	1340		8/27/21	1340
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	8/27/21	1630		8/27/21	1630
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
				8/28/21	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
AZT

Analysis Request of Chain of Custody Record

Page : 03 of 04

Tetra Tech, Inc.

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

L1396124

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EUGSAU 3315-005	**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	# 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-4 (4-5)	8-24			X				X		1	N	X		X												X					
-22	BH-5 (0-1)																															
-23	(2-3)																															
-24	(4-5)																															
-25	(6-7)																															
-26	(9-10)																															
-27	(14-15)																															
-28	(19-20)																															
-29	BH-6 (0-1)																															
-30	(2-3)																															

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Joe Tyler	8-27-21	13:45		8-27-21	16:45
	8-27-21	16:30	SWA	8-27-21	16:30
				8-28-21	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 to 2.3
Azo

Analysis Request of Chain of Custody Record

Page : 04 of 04

Tetra Tech, Inc.

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

U396424

Client Name:	ConocoPhillips	**Site Manager:**	Christian Llull
Project Name:	EVGSAU 3315-005	**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
-31	BH-6 (4-5)	8-24			X				X			1	N	X		X												X						
-32	BH-7 (0-1)	↓			↓				↓			↓	↓	↓		↓												↓						
-33	BH-8 (0-1)	↓			↓				↓			↓	↓	↓		↓												↓						

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:	Time:	Received by:	Date:	Time:
Joe Tyler	8.27.21	8:45		8/27/21	13:20
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	8/27/21	1630		8/27/21	1630
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
				8-28-21	0915

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

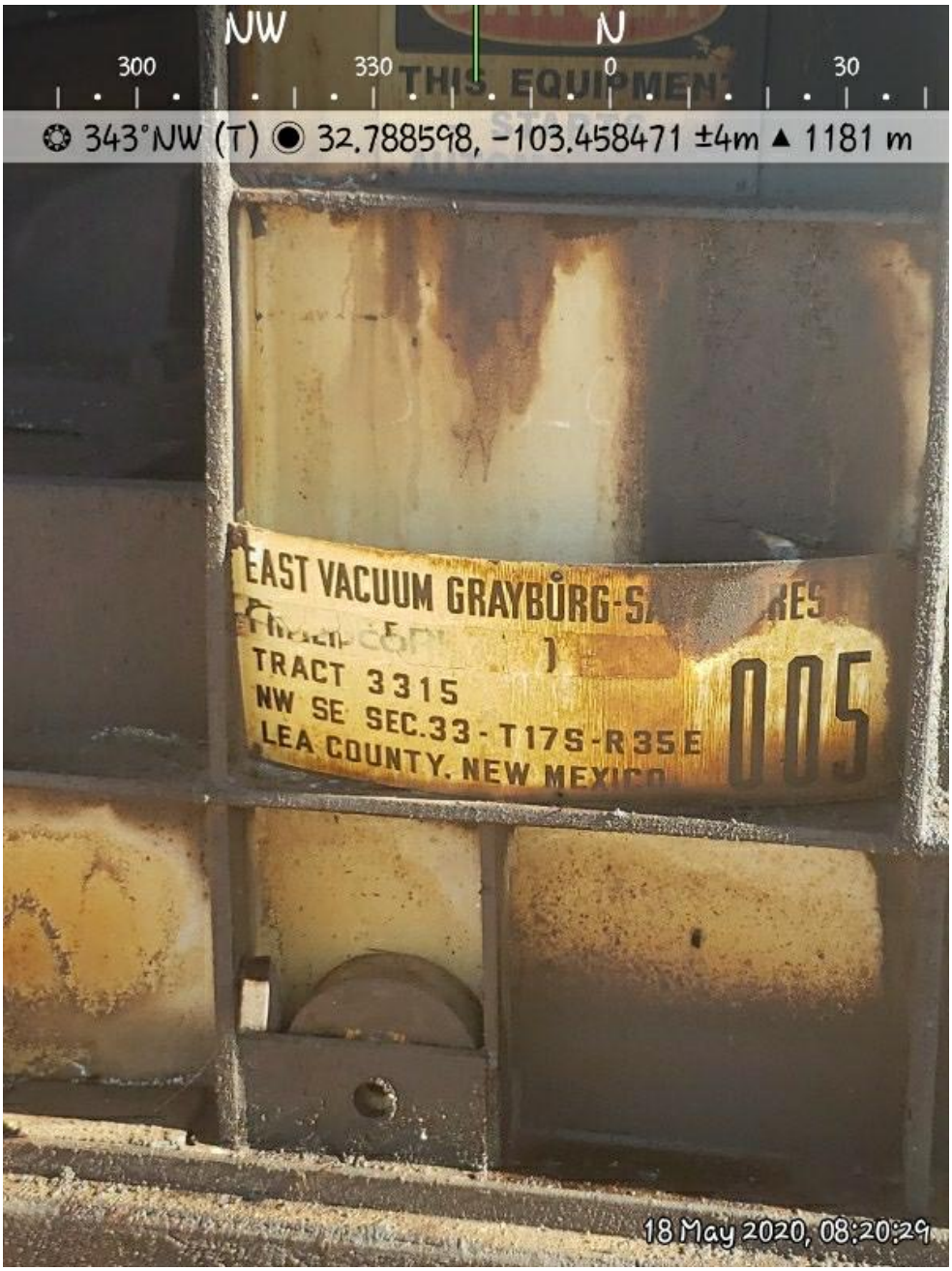
REMARKS:

- [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 to 2.3

APPENDIX E
Photographic Documentation



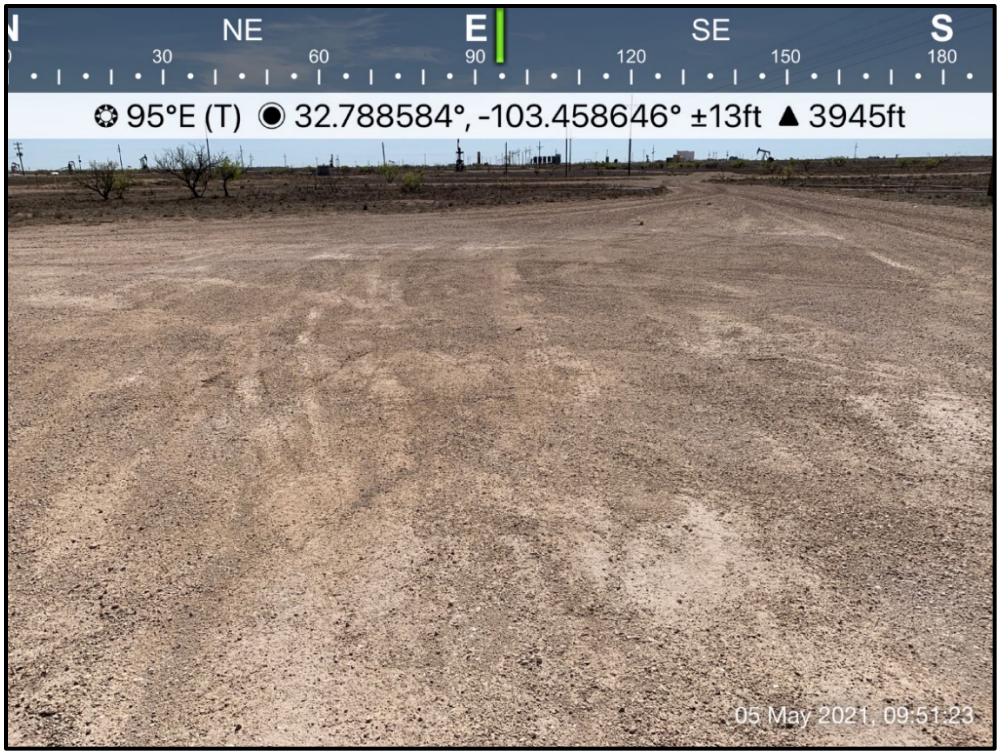
TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View of EVGSAU-3315-005 signage.	1
	SITE NAME	EVGSAU 3315-005 Release	5/18/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View of EVGSAU-3315-005 release footprint.	2
	SITE NAME	EVGSAU 3315-005 Release	5/18/2020

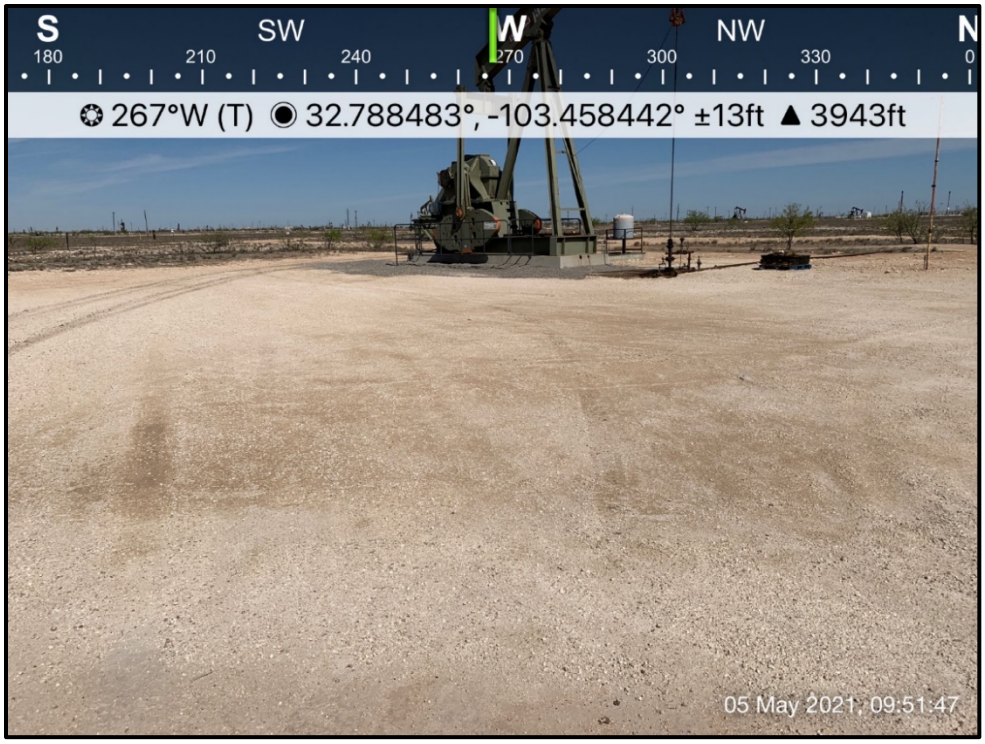
TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View of EVGSAU-3315-005 release footprint.	3
	SITE NAME	EVGSAU 3315-005 Release	5/18/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View of EVGSAU-3315-005 release footprint.	4
	SITE NAME	EVGSAU 3315-005 Release	5/18/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View east. Overview southern portion of release footprint surrounding the EVGSAU-3315-005 wellhead with fresh base material.	5
	SITE NAME	EVGSAU 3315-005 Release	5/5/2021

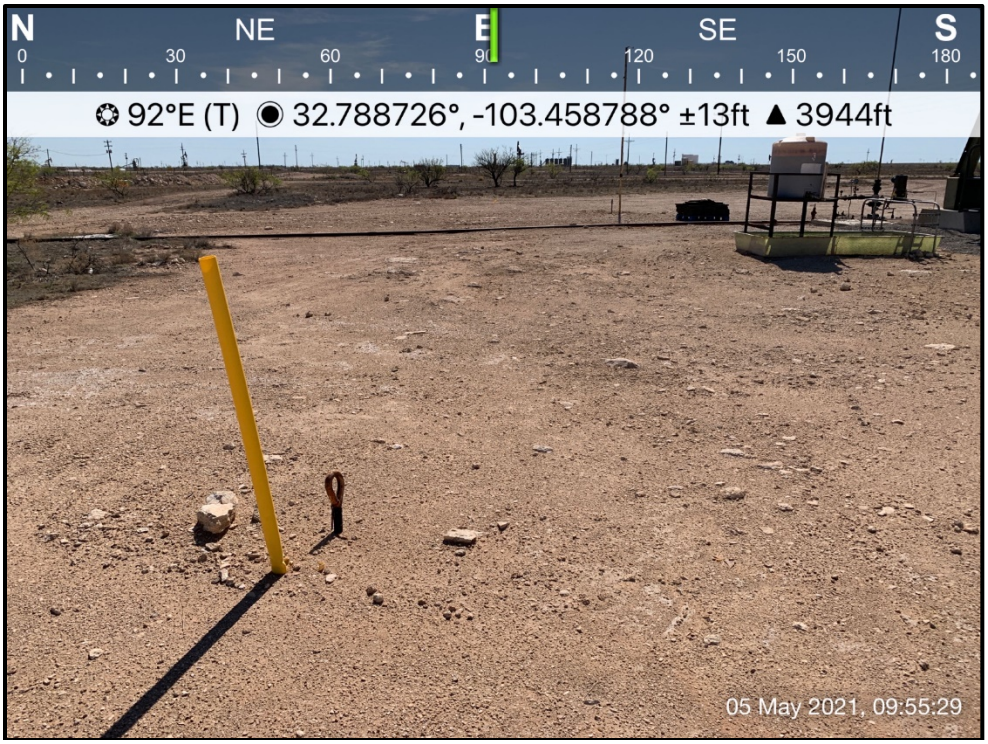


TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View east. Overview southern portion of release footprint southeast of the EVGSAU-3315-005 wellhead.	6
	SITE NAME	EVGSAU 3315-005 Release	5/5/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View west. Overview southern portion of release footprint southeast of the EVGSAU-3315-005 wellhead.	7
	SITE NAME	EVGSAU 3315-005 Release	5/5/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View west. Overview northern portion of release footprint north of the EVGSAU-3315-005 wellhead, with chemical tank.	8
	SITE NAME	EVGSAU 3315-005 Release	5/5/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View east. Overview northern portion of release footprint northwest of the EVGSAU-3315-005 wellhead.	9
	SITE NAME	EVGSAU 3315-005 Release	5/5/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02493	DESCRIPTION	View east. Overview southern portion of release footprint surrounding the EVGSAU-3315-005 wellhead, fresh base shown.	10
	SITE NAME	EVGSAU 3315-005 Release	5/5/2021

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 53858

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 53858
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Implement 19.15.29.13 NMAC when completing P&A.	3/4/2022