TETRA TECH

October 11, 2021

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

Re: Release Characterization and Closure Request
ConocoPhillips
MCA Central Tank Battery #1 Release
Unit Letter A, Section 30, Township 17 South, Range 32 East
Lea County, New Mexico
Incident ID# nRM2002460448

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred at the Maljamar Cooperative Agreement (MCA) Central Tank Battery (CTB) #1. The release footprint is located in Public Land Survey System (PLSS) Unit Letter A, Section 30, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.811756°, -103.798574°, near two aboveground tanks located approximately 345 feet (ft) southeast of the MCA CTB #1, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation District (NMOCD) C-141 Initial Report, the release was discovered on December 5, 2019. The C-141 reports that the release originated from a truck driver overloading a tank at the MCA CTB #1 facility. Approximately 9.362 bbls of crude oil were released, of which approximately 2 bbls of oil were recovered. The New Mexico Oil Conservation District (NMOCD) received the initial C-141 on December 11, 2019 and subsequently assigned the release the Incident ID nRM2002460448. The initial C-141 form is included in Appendix A.

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.

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE database located within approximately ½ mile (800 meters) of the site. According to data from one (1) water well listed in the NMOSE database within approximately 1.55 miles (2,500 meters) of the site, the depth to groundwater is 81 feet below ground surface (bgs).

The remediation action levels proposed for the site are largely dependent upon depth to groundwater. As such, the NMOCD focuses upon depth to water estimation. Thus, 19.15.11(A)(2) NMAC allows for various means of determining depth to groundwater. For this release, as the available water level information was from wells further than ½ mile away from the site, ConocoPhillips included a groundwater determination

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

boring in the scope of the Site assessment. Boring BH-1 was drilled to a depth of 50 feet bgs, and no groundwater was encountered. Thus, based on this data, ConocoPhillips proposes to use the 51-100 feet criteria listed in Table I of 19.15.29.12 NMAC. The site characterization data are presented in Appendix B. The boring log for BH-1 is included with Appendix C.

REGULATORY FRAMEWORK

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

Based on the site characterization, 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

INITIAL RESPONSE ACTIVITIES

ConocoPhillips conducted initial response actions at the release site on January 1, 2020. The release extent was excavated to a depth of approximately 0.5 feet to remove visually impacted soils. Approximately 244 cubic yards of contaminated soil were removed from impacted areas within the release footprint and sent to R360 for disposal. The release extent and initial response extent are presented in Figure 3.

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 17 and September 20, 2021 on behalf of ConocoPhillips. A total of three (3) borings (BH-1 through BH-3) were installed using an air rotary drilling rig and seven (7) borings using a hand auger. The three (3) borings (BH-1, BH-2, and BH-3) were installed within the release extent to depths of 55, 35, and 20 feet bgs, respectively. The seven (7) hand auger borings (AH-1 through AH-7) were installed around the perimeter of the release extent to horizontally delineate the affected area. Figure 4 depicts the August-September 2021 soil boring locations. As shown in the figure, boring locations BH-1, BH-2, BH-3, AH-3, AH-5, and AH-6 were placed on the lease pad in active oil and gas production areas. Boring logs, included as Appendix C, present soil descriptions, sample depths, and field screening data from the 2021 assessment activities.

A total of forty-one (41) soil samples were collected from the ten (10) locations within and surrounding the release extent. These soil samples were sent to Pace Analytical in Mount Juliet, Tennessee 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.

Analytical results from the 2021 assessment activities are summarized in Table 1. All analytical results were below the applicable Site reclamation requirements (for borings located in pasture) or RRALs (for borings located in active oil and gas production areas). 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. As these areas are needed for production operations, final reclamation of any impact within the lease pad areas 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 MCA CTB #1 lease pad will be delayed until the abandonment of the MCA CTB #1 facility 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 on-pad site assessment were below applicable Site RRALs following the initial response actions; therefore, no further remediation of the release footprint is necessary. The remaining contamination is on an active, developed oil and gas production pad, fully delineated, and does not cause an imminent risk to human health, the environment, or groundwater. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC during the initial response activities.

Based on the above, ConocoPhillips respectfully requests closure for this release. 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.

Samantha K. Abbott, P.G.
Project Manager

Christian M, Llull, P.G.
Program Manager

cc:
Mr. Jenni Fortunato, RMR – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map
Figure 2 – Topographic Map
Figure 3 – Approximate Release Extent and Site Features
Figure 4 – Site Assessment Map

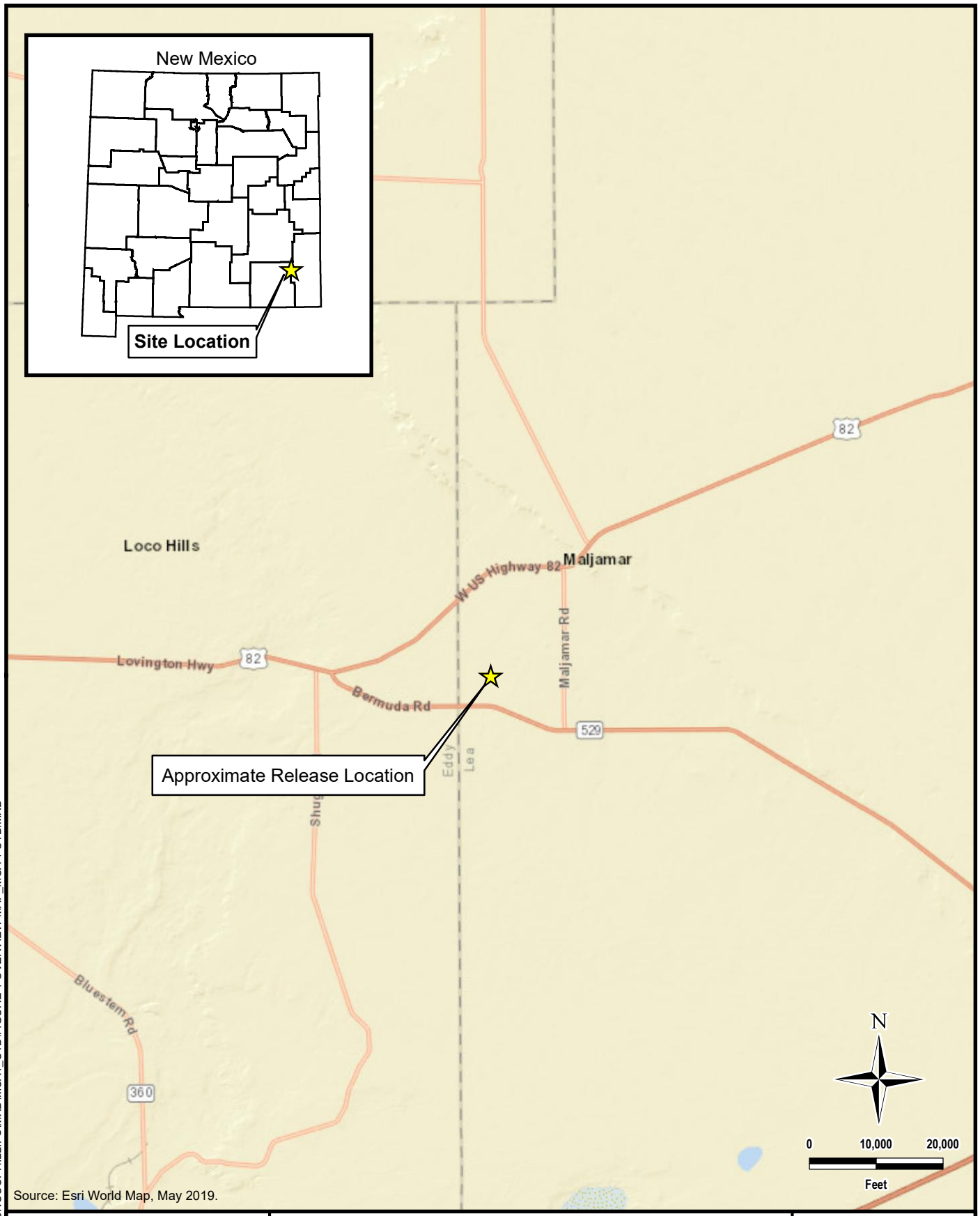
Tables:

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



Source: Esri World Map, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA1_CTB\FIGURE 1 OVERVIEW MAP_MCA 1 CTB.MXD

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

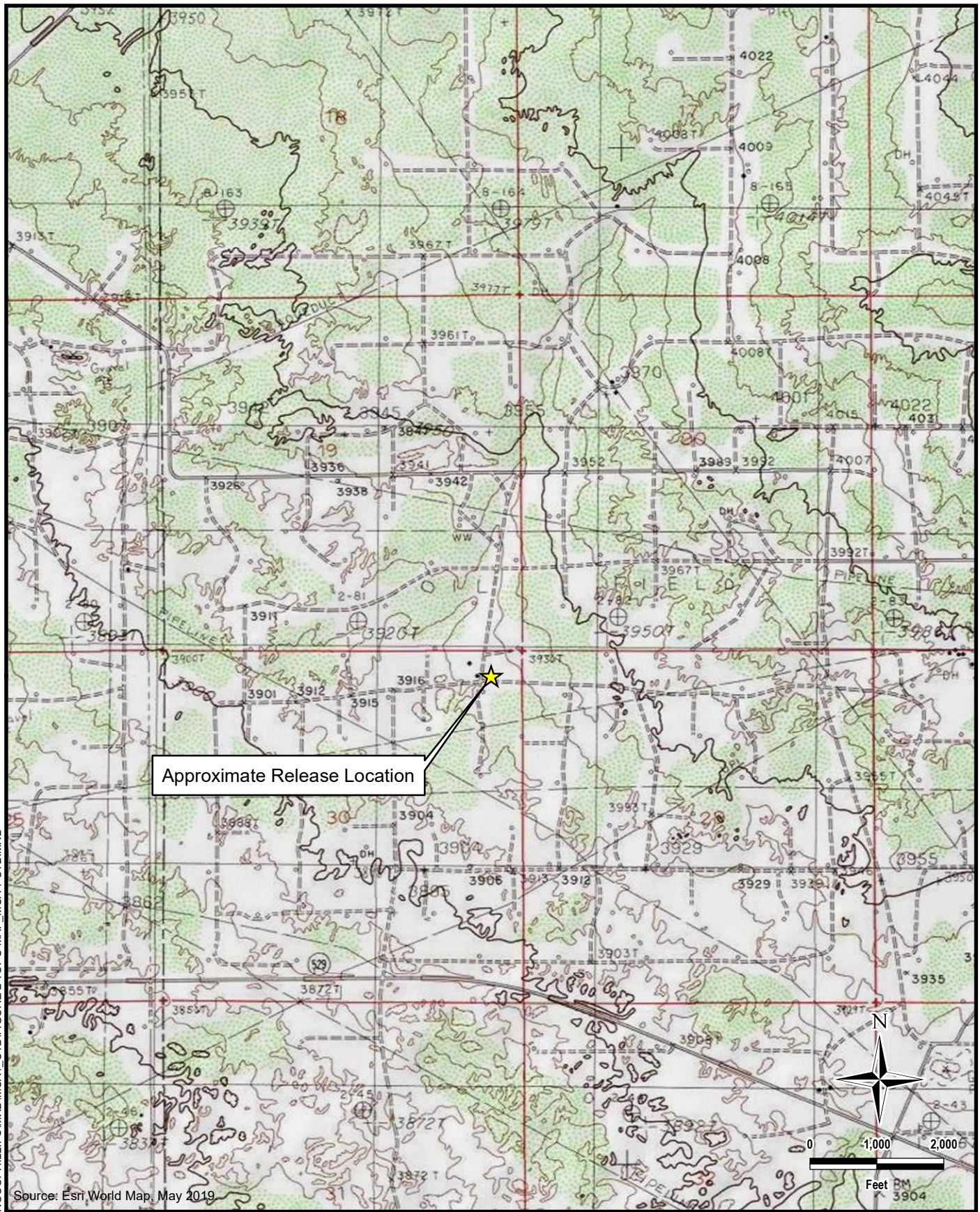
CONOCOPHILLIPS

ID NRM2002460448
(32.811756°, -103.798574°)
LEA COUNTY, NEW MEXICO

MCA 1 CTB RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-02508
DATE:	JUNE 14, 2021
DESIGNED BY:	AAM

Figure No.
1



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA1_CTB\FIGURE 2 TOPO MAP_MCA 1 CTB.MXD

TETRA TECH

www.tetratech.com

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

CONOCOPHILLIPS

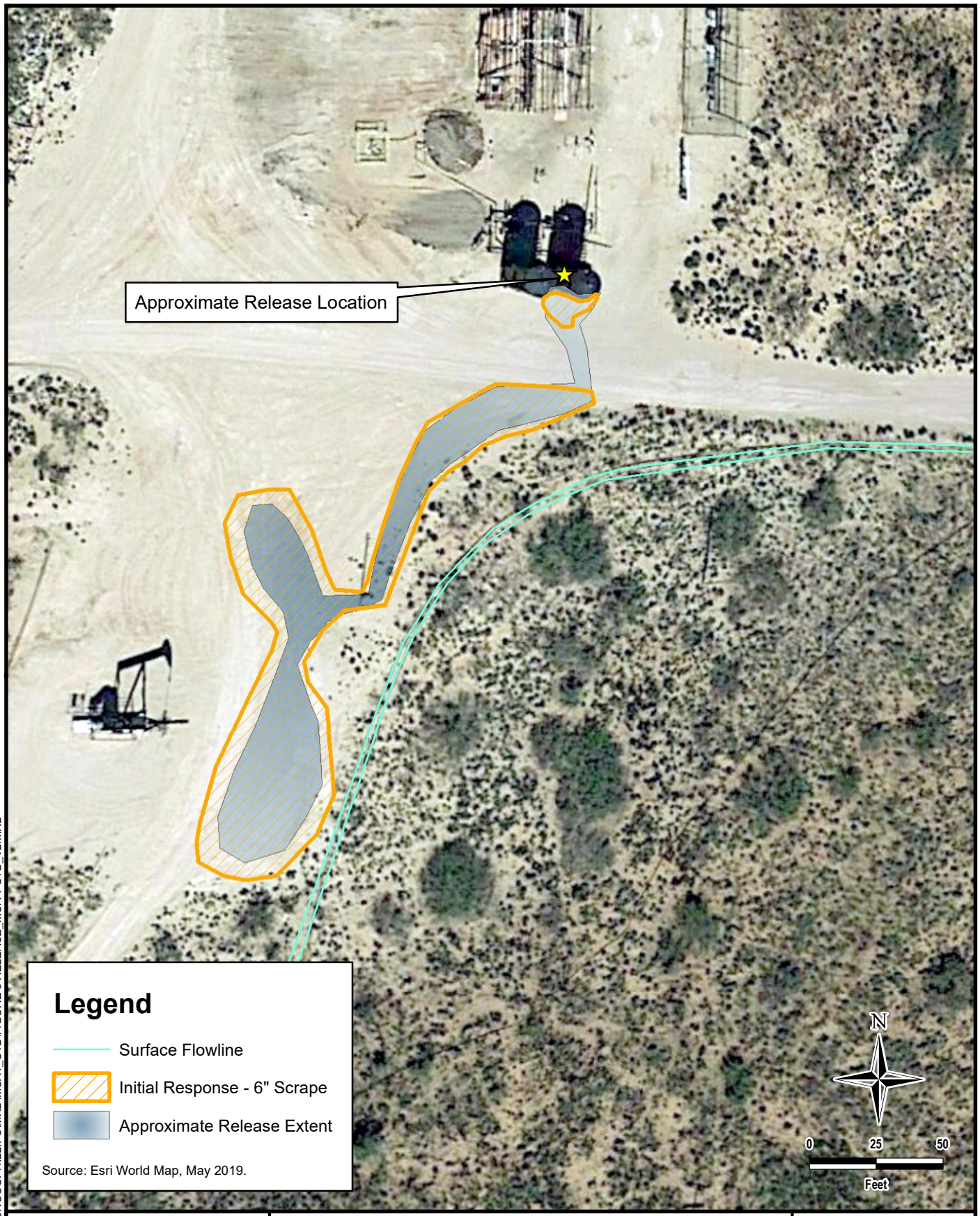
ID NRM2002460448
(32.811756°, -103.798574°)
LEA COUNTY, NEW MEXICO

MCA 1 CTB RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02508
DATE:	JUNE 14, 2021
DESIGNED BY:	AAM

Figure No.

2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA1_CTB\FIGURE 3 RELEASE_MCA 1 CTB_V2.MXD

TETRA TECH

www.tetratech.com

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

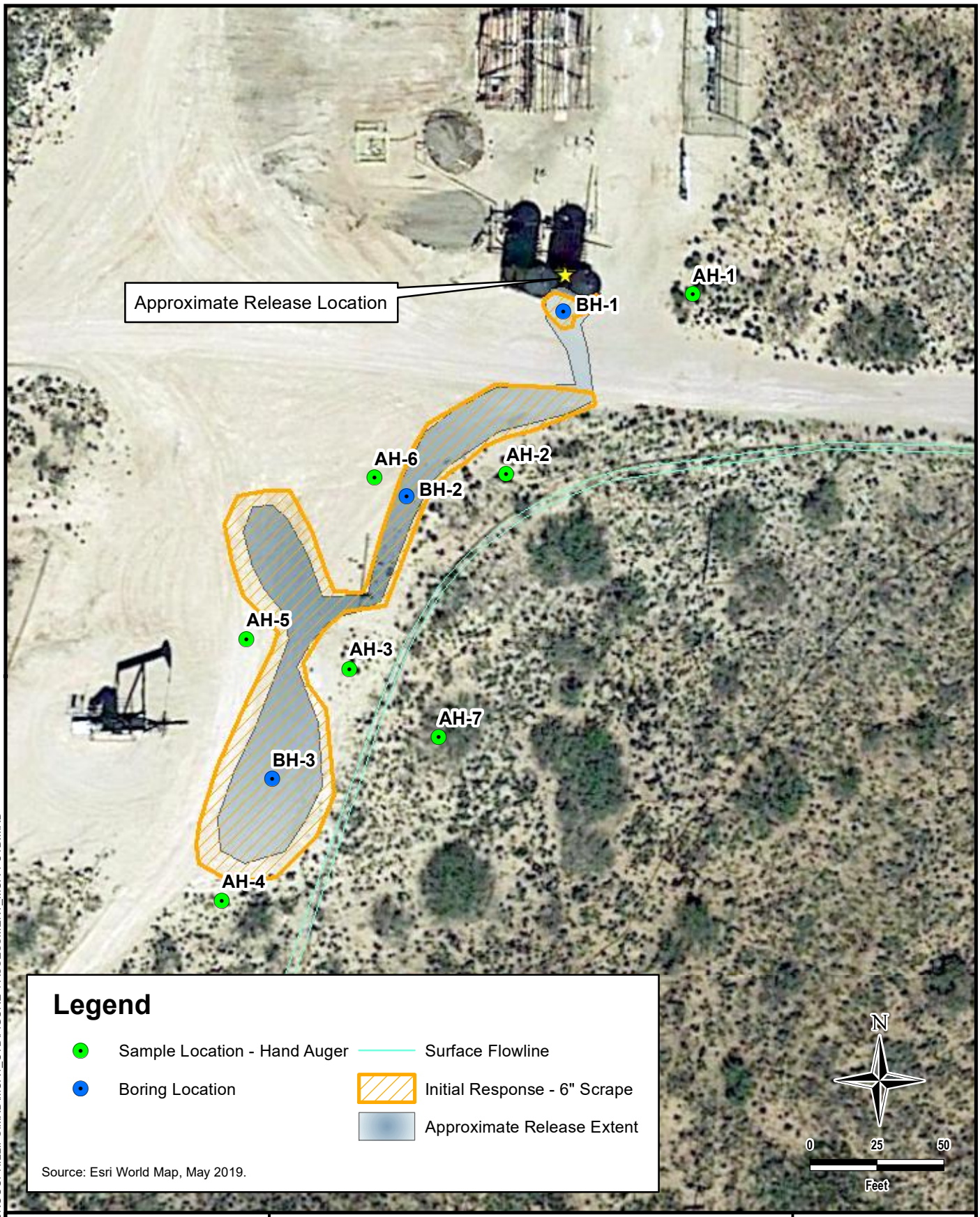
CONOCOPHILLIPS

ID NRM2002460448
(32.811756°, -103.798574°)
LEA COUNTY, NEW MEXICO

MCA 1 CTB RELEASE
APPROXIMATE RELEASE EXTENT AND SITE FEATURES

PROJECT NO.:	212C-MD-02508
DATE:	JUNE 23, 2021
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA1_CTB\FIGURE 4 ASSESSMENT_MCA 1 CTB.MXD

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

CONOCOPHILLIPS

ID NRM2002460448
(32.811756°, -103.798574°)
LEA COUNTY, NEW MEXICO

MCA 1 CTB RELEASE
SITE ASSESSMENT MAP

PROJECT NO.:	212C-MD-02508
DATE:	OCTOBER 05, 2021
DESIGNED BY:	AAM

Figure No.
4

TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NRM2002460448
CONOCOPHILLIPS
MCA 1 CTB RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[4] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
AH-1	8/17/2021	0-1	167	0.1	84.2		< 0.00105		< 0.00524		< 0.00262		< 0.00681		-		< 0.102		8.93		37.7		46.6	
		2-3	191	0.1	103		< 0.00105		< 0.00527		< 0.00263		< 0.00685		-		< 0.104		3.29	J	13.1		16.4	
AH-2	8/17/2021	0-1	41.2	0.1	9.61	J	< 0.00108		< 0.00539		< 0.00270		< 0.00701		-		< 0.105		3.38	J	15.0		18.4	
		2-3	56.1	0.1	9.59	J	< 0.00107		< 0.00537		< 0.00268		0.00184		0.00184		< 0.104		10.4		49.9		60.3	
AH-3	8/17/2021	0-1	56.6	0.1	< 21.7		< 0.00117		< 0.00585		< 0.00292		< 0.00760		-		< 0.108		70.0		174		244	
		2-3	72.6	0.1	< 20.5		< 0.00105		< 0.00526		< 0.00263		< 0.00684		-		< 0.103		< 4.11		5.53		5.53	
AH-4	8/17/2021	0-1	151	0.1	17.3	J	< 0.00104		< 0.00522		< 0.00261		< 0.00678		-		< 0.102		3.37	J	15.8		19.2	
		2-3	159	0.1	21.6		< 0.00104		< 0.00518		< 0.00259		< 0.00674		-		< 0.102		4.46		23.5		28.0	
AH-5	8/17/2021	0-1	217	0.1	93.9		< 0.00107		< 0.00537		< 0.00269		< 0.00698		-		< 0.104		10.1		78.0		88.1	
		2-3	225	0.1	100		< 0.00107		< 0.00535		< 0.00267		< 0.00695		-		< 0.103		1.93	J	8.59		10.5	
AH-6	8/17/2021	0-1	175	0.1	52.0		< 0.00107		< 0.00535		< 0.00267		< 0.00695		-		< 0.103		< 4.14		3.25	J	3.25	
		2-3	210	0.1	48.4		< 0.00106		< 0.00529		< 0.00264		< 0.00687		-		< 0.103		< 4.12		8.37		8.37	
AH-7	9/20/2021	0-1	-	-	13.8	J J6	< 0.00148		< 0.00740		< 0.00370		< 0.00962		-		< 0.124		< 4.96		6.69		6.69	
		2-3	-	-	12.7	J	< 0.00144	J3	< 0.00721	J3	< 0.00361	J3	< 0.00938	J3	-		< 0.122		2.00	J	17.0		19.0	
BH-1	8/17/2021	0-1	1240	1.1	1,050		< 0.00129		< 0.00644		< 0.00322		< 0.00837		-		< 0.114		3.25	J	7.43		10.7	
		2-3	1090	1.0	872		< 0.00128		< 0.00639		< 0.00319		< 0.00830		-		< 0.114		19.8		20.9		40.7	
		4-5	2750	1.0	3,190		< 0.00128		< 0.00640		< 0.00320		< 0.00832		-		< 0.114		3.57	J	3.27	J	6.84	
		6-7	1770	1.1	2,070		< 0.00118		< 0.00591		< 0.00295		< 0.00768		-		< 0.109		< 4.36		0.616	J	0.616	
		9-10	1060	1.1	1,250		< 0.00114		< 0.00568		< 0.00284		< 0.00739		-		< 0.107		2.00	J	1.01	J	3.01	
		14-15	921	0.7	841		< 0.00112		< 0.00561		< 0.00281		< 0.00729		-		< 0.106		< 4.24		0.544	J	0.544	
		19-20	588	0.6	459		< 0.00115		< 0.00573		< 0.00286		< 0.00745		-		< 0.107		4.23	J	3.68	J	7.91	
		24-25	495	0.6	361		< 0.00117		< 0.00583		< 0.00292		< 0.00758		-		< 0.108		< 4.33		0.532	J	0.532	
		29-30	490	0.5	395		< 0.00118		< 0.00588		< 0.00294		< 0.00765		-		< 0.109		< 4.35		< 4.35		-	
		34-35	488	0.3	106		< 0.00114		< 0.00568		< 0.00284		< 0.00739		-		< 0.107		< 4.27		0.607	J	0.607	
BH-2	8/17/2021	0-1	155	0.2	102	J	< 0.00125		< 0.00624		< 0.00312		< 0.00812		-		< 0.112		11.2		11.2		22.4	
		2-3	370	0.2	313		< 0.00129		< 0.00645		< 0.00322		< 0.00838		-		< 0.116		2.07	J	5.37		7.44	
		4-5	713	0.2	670		< 0.00129		< 0.00646		< 0.00323		< 0.00840		-		< 0.115		< 4.59		1.25	J	1.25	
		6-7	606	0.1	877		< 0.00124		< 0.00622		< 0.00311		< 0.00808		-		< 0.112		1.93	J	3.23	J	5.16	
		9-10	994	0.1	1,460		< 0.00118		< 0.00589		< 0.00295		< 0.00766		-		< 0.109		< 4.36		2.03	J	2.03	
		14-15	924	0.1	1,060		< 0.00111		< 0.00556		< 0.00278		< 0.00722		-		< 0.106		< 4.22		1.31	J	1.31	
		19-20	765	0.2	963		< 0.00110		< 0.00552		< 0.00276		< 0.00717		-		< 0.106		< 4.21	J3	1.28	J	1.28	
		24-25	680	0.1	739		< 0.00124		< 0.00621		< 0.00311		< 0.00808		-		< 0.112		< 4.49		1.15	J	1.15	
		29-30	452	0.1	500		< 0.00123		< 0.00615		< 0.00307		< 0.00799		-		< 0.111		< 4.46		< 4.46		-	
		34-35	421	0.1	535		< 0.00117		< 0.00586		< 0.00293		< 0.00761		-		< 0.109		< 4.34		< 4.34		-	
BH-3	8/17/2021	0-1	206	0.1	161		< 0.00122		< 0.00608		< 0.00304		0.00482	J	0.00482		< 0.111		130	J3 J5	423		553	
		2-3	520	0.1	348		< 0.00117		0.00379	J	0.0496		0.323		0.376		< 0.108		261		653		914	
		4-5	799	0.2	1,260		< 0.00121		< 0.00603		0.00124	J	0.00812		0.00936		< 0.110		51.7		115		167	
		6-7	827	0.1	832		< 0.00115		< 0.00575		< 0.00288		< 0.00101		-		< 0.108		6.53		9.66		16.2	
		9-10	651	0.1	693		< 0.00113		< 0.00564		< 0.00282		< 0.00733		-		< 0.107		7.76		15.4		23.2	
		14-15	321	0.2	58.9		< 0.00119		< 0.00596		< 0.00298		< 0.00774		-		< 0.110		< 4.36		< 4.36		-	
		19-20	298	0.2	56.9		< 0.00118		< 0.00592		< 0.00296		< 0.00770		-		< 0.109		< 4.37		< 4.37		-	

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 Remediation RRALs and/or Reclamation Requirements.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

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

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	NRM2002460448
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

QAJLD-191211-C-1410

Responsible Party ConocoPhillips Company	OGRID 217817
Contact Name Gustavo Fejervary	Contact Telephone 432/210-7037
Contact email g.fejervary@cop.com	Incident # *(assigned by OCD)*
Contact mailing address 5735 SW 7000 Andrews, TX 79714	

Location of Release Source

Latitude 32.81230 Longitude -103.7995

(NAD 83 in decimal degrees to 5 decimal places)

Site Name MCA 1 CTB	Site Type Central Tank Battery
Date Release Discovered 12/5/19	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
A	30	17S	32E	Lea

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

Nature and Volume of Release

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

☑ Crude Oil	Volume Released (bbls) 9.362	Volume Recovered (bbls) 2
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) 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 truck driver overloaded the tank

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2002460448
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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: Gustavo Fejervary Title: Environmental Coordinator

Signature: Date: 12/11/19

email: g.fejervary@cop.com Telephone: 432/210-7037

OCD Only

Received by: Ramona Marcus Date: 1/24/2020

L48 Spill Volume Estimate Form

Facility Name & Number:	MCA Battery 1
Asset Area:	Maljamar
Release Discovery Date & Time:	12/9/19 12:00pm
Release Type:	Oil
Provide any known details about the event:	Vacuum truck overfilled rental tank.

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid satura
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;

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.)
Rectangle A	15.0	20.0	1.00	10.50%	4.450	0.467
Rectangle B	48.0	8.0	1.00	10.50%	5.696	0.598
Rectangle C	32.0	8.0	1.00	10.50%	3.797	0.399
Rectangle D	40.0	6.0	1.00	10.50%	3.560	0.374
Rectangle E	90.0	4.0	1.00	10.50%	5.340	0.561
Rectangle F	65.0	35.0	1.00	10.50%	33.746	3.543
Rectangle G	38.0	24.0	1.00	10.50%	13.528	1.420
Rectangle H					0.000	0.000
Rectangle I					0.000	0.000
Rectangle J					0.000	0.000
					Total Volume Release:	7.362

ation factor

if No, use factors above.

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.)

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

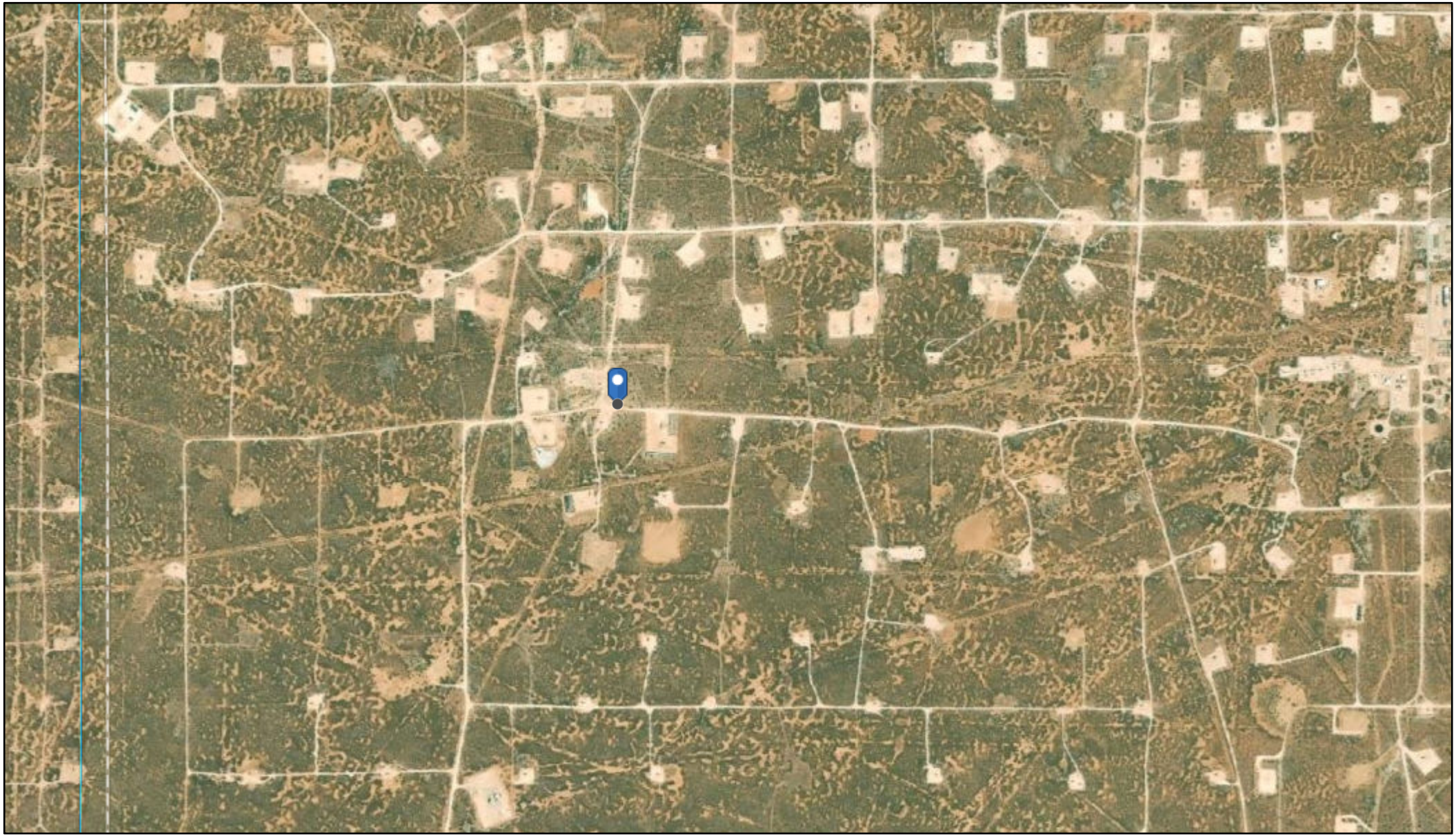
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

MCA 1 CTB - OCD Waterbodies Map



6/9/2021, 12:57:01 PM

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

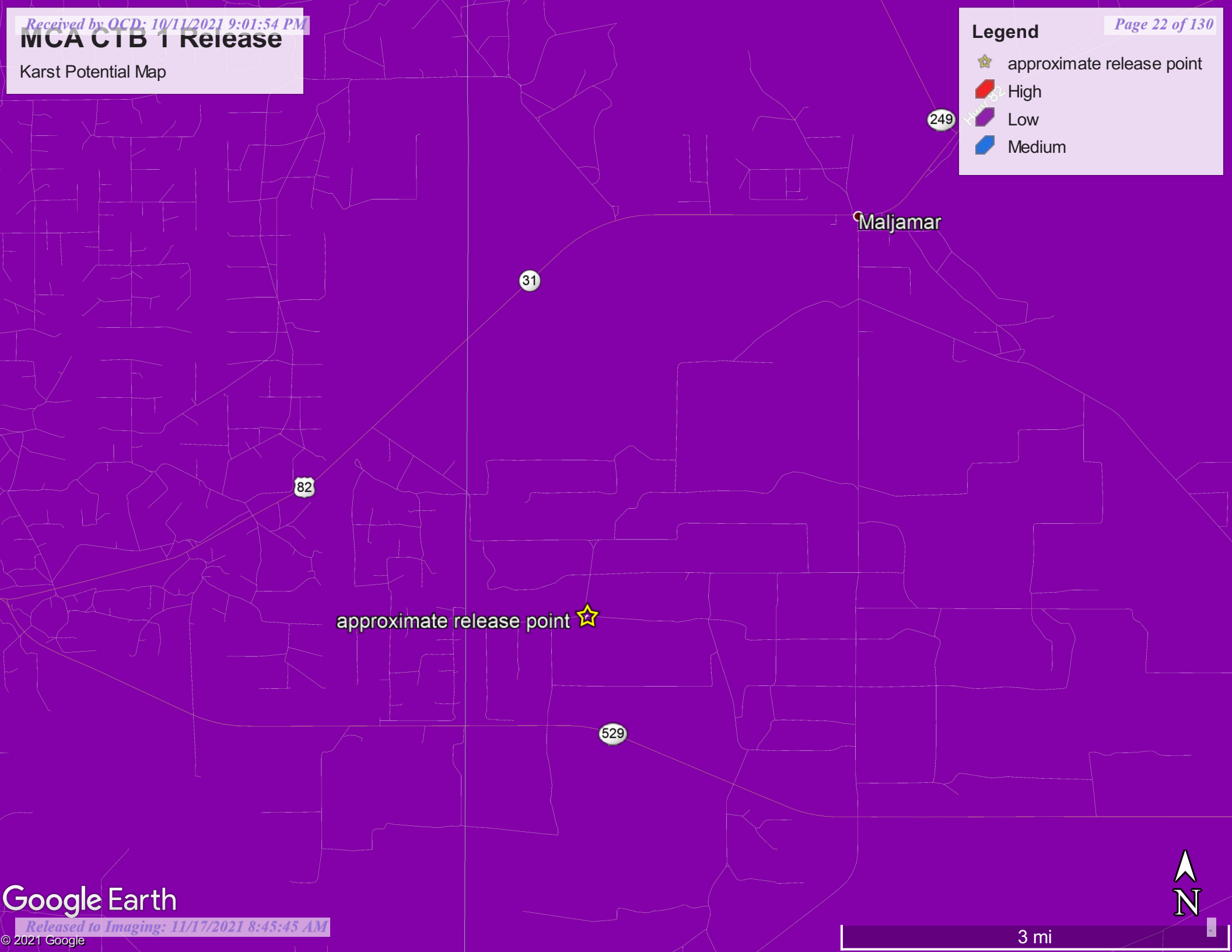
Esri, HERE, Garmin, iPC, Maxar

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

MCA CTB 1 Release

Karst Potential Map



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

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 612473.36 **Northing (Y):** 3631057.56 **Radius:** 800

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
RA 10175	RA	LE		2	1	28	17S	32E	614814	3631005*	2341	158		
RA 12020 POD1	RA	LE	2	2	1	28	17S	32E	614828	3630954	2356	120	81	39
RA 12721 POD1	RA	LE	3	2	3	28	17S	32E	614645	3630141	2356	125		
RA 12042 POD1	RA	LE	2	2	1	28	17S	32E	614891	3631181	2420	400		
RA 12522 POD1	RA	LE	3	3	4	21	17S	32E	614941	3631122	2468	100		
RA 12522 POD2	RA	LE	2	2	1	28	17S	32E	614949	3631098	2476	100		

Average Depth to Water: **81 feet**

Minimum Depth: **81 feet**

Maximum Depth: **81 feet**

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 612473.36 **Northing (Y):** 3631057.56 **Radius:** 2500

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

APPENDIX C
Soil Boring Logs

212C-MD-02508 | TETRA TECH | **LOG OF BORING BH-1** | Page 1 of 2

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811718°, -103.798575° | Surface Elevation: 3938 ft

Borehole Number: BH-1 | Borehole Diameter (in.): 8 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

WATER LEVEL OBSERVATIONS

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

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		1240	1.1	**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.		BH-1 (0'-1')
		1090	1		2	BH-1 (2'-3')
5		2750	1	**-ML-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.		BH-1 (4'-5')
		1770	1.1		6	BH-1 (6'-7')
10		1060	1.1	**-SM-** SILTY SAND: Light reddish brown, dry, medium dense, very fine grained, with caliche, no staining, no odor.		BH-1 (9'-10')
					14	
15		921	0.7	**-SM-** SILTY SAND: Reddish brown, dry, dense, very fine grained, moderately cemented, no staining, no odor.		BH-1 (14'-15')
20		588	0.6	-- Light brown @ 19'		BH-1 (19'-20')
25		495	0.6	-- Reddish brown @ 24'		BH-1 (24'-25')
30		490	0.5			BH-1 (29'-30')

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

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

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Devin Dominguez | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02508 | TETRA TECH | **LOG OF BORING BH-1** | Page 2 of 2

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811718°, -103.798575° | Surface Elevation: 3938 ft

Borehole Number: BH-1 | Borehole Diameter (in.): 8 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

WATER LEVEL OBSERVATIONS

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

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
35			488	0.3									35	BH-1 (34'-35')
												-SM- SILTY SAND: Dark reddish brown, dry, very dense, very fine grained, no staining, no odor.		
40			479	0.1										BH-1 (39'-40')
45			188	0.1									45	BH-1 (44'-45')
												-SM- SILTY SAND: Dark reddish brown, dry, very dense, very fine grained, with abundant angular gravel, no staining, no odor.		
50			127	0.1								-- Some clay @ 49'	50	BH-1 (49'-50')

Bottom of borehole at 50.0 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: Devin Dominguez | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02508 | TETRA TECH | **LOG OF BORING BH-2** | Page 1 of 2

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811529°, -103.798767° | Surface Elevation: 3934 ft

Borehole Number: BH-2 | Borehole Diameter (in.): 8 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

WATER LEVEL OBSERVATIONS

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

Remarks:

DEPTH (ft)	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
		155	0.2	**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	BH-2 (0'-1')
		370	0.2	**-ML-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	4	BH-2 (2'-3')
5		713	0.2	**-SM-** SILTY SAND: Light reddish brown, dry, medium dense, very fine grained, with caliche, no staining, no odor.		BH-2 (4'-5')
		606	0.1			BH-2 (6'-7')
10		994	0.1			BH-2 (9'-10')
		924	0.1	**-SM-** SILTY SAND: Reddish brown, dry, dense, very fine grained, moderately cemented, no staining, no odor.	14	BH-2 (14'-15')
20		765	0.2	-- Light brown @ 19'		BH-2 (19'-20')
25		680	0.1	-- Reddish brown @ 24'		BH-2 (24'-25')
30		452	0.1			BH-2 (29'-30')

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

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

Notes:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value based on Google Earth data.

Logger: Devin Dominguez | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02508	TETRA TECH	**LOG OF BORING BH-2**	Page 2 of 2

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811529°, -103.798767° | Surface Elevation: 3934 ft

Borehole Number: BH-2 | Borehole Diameter (in.): 8 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

WATER LEVEL OBSERVATIONS

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

Remarks:

DEPTH (ft)	OPERATION TYPE	SAMPLE	CHLORIDE FIELD SCREENING (ppm) ExStik	VOC FIELD SCREENING (ppm) PID	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	LIQUID LIMIT LL	PLASTICITY INDEX PI	MINUS NO. 200 (%)	GRAPHIC LOG	MATERIAL DESCRIPTION	DEPTH (ft)	REMARKS
35			421	0.1									35	BH-2 (34'-35')

Bottom of borehole at 35.0 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: Devin Dominguez | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02508 | TETRA TECH | **LOG OF BORING BH-3** | Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811240°, -103.798932° | Surface Elevation: 3931 ft

Borehole Number: BH-3 | Borehole Diameter (in.): 8 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			206	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	BH-3 (0'-1')
			520	0.1								**-ML-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	4	BH-3 (2'-3')
5			799	0.2								**-SM-** SILTY SAND: Light reddish brown, dry, medium dense, very fine grained, with caliche, no staining, no odor.		BH-3 (4'-5')
			827	0.1										BH-3 (6'-7')
10			651	0.1										BH-3 (9'-10')
													14	
15			321	0.2								**-SM-** SILTY SAND: Reddish brown, dry, dense, very fine grained, moderately cemented, no staining, no odor.		BH-3 (14'-15')
20			298	0.2								-- Light brown @ 19'	20	BH-3 (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: Devin Dominguez | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

MCA CTB 1.GPJ `9-14-21`.`TT_AUSTIN_GEOTECH_NOWELL3`.`2015 TT TEMPLATE DECEMBER WELL.GDT`.`` Revised 5-16-12 (RHM)

212C-MD-02508 | TETRA TECH | **LOG OF BORING AH-1** | Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811735°, -103.798418° | Surface Elevation: 3937 ft

Borehole Number: AH-1 | Borehole Diameter (in.): 4 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			167	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	AH-1 (0'-1')
			191	0.1								**-SM-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	3	AH-1 (2'-3')
												Bottom of borehole at 3.0 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: Devin Dominguez | Drilling Equipment: Hand Auger | Driller: Tetra Tech

212C-MD-02508 | TETRA TECH | **LOG OF BORING AH-2** | Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811552°, -103.798646° | Surface Elevation: 3934 ft

Borehole Number: AH-2 | Borehole Diameter (in.): 4 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			41.2	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	AH-2 (0'-1')
			56.1	0.1								**-SM-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	3	AH-2 (2'-3')
												Bottom of borehole at 3.0 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: Devin Dominguez | Drilling Equipment: Hand Auger | Driller: Tetra Tech

212C-MD-02508 | TETRA TECH

LOG OF BORING AH-3

Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811352°, -103.798838° | Surface Elevation: 3932 ft

Borehole Number: AH-3 | Borehole Diameter (in.): 4 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			56.6	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	AH-3 (0'-1')
			72.6	0.1								**-SM-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	3	AH-3 (2'-3')
												Bottom of borehole at 3.0 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: Devin Dominguez | Drilling Equipment: Hand Auger | Driller: Tetra Tech

212C-MD-02508 | TETRA TECH | **LOG OF BORING AH-4** | Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811081°, -103.799015° | Surface Elevation: 3932 ft

Borehole Number: AH-4 | Borehole Diameter (in.): 4 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			151	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	AH-4 (0'-1')
			159	0.1								**-SM-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	3	AH-4 (2'-3')
												Bottom of borehole at 3.0 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: Devin Dominguez | Drilling Equipment: Hand Auger | Driller: Tetra Tech

212C-MD-02508 | TETRA TECH | **LOG OF BORING AH-5** | Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811383°, -103.798984° | Surface Elevation: 3932 ft

Borehole Number: AH-5 | Borehole Diameter (in.): 4 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			217	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	AH-5 (0'-1')
			225	0.1								**-SM-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	3	AH-5 (2'-3')
												Bottom of borehole at 3.0 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: Devin Dominguez | Drilling Equipment: Hand Auger | Driller: Tetra Tech

212C-MD-02508 | TETRA TECH | **LOG OF BORING AH-6** | Page 1 of 1

Project Name: MCA CTB 1

Borehole Location: GPS: 32.811565°, -103.798844° | Surface Elevation: 3933 ft

Borehole Number: AH-6 | Borehole Diameter (in.): 4 | Date Started: 8/17/2021 | Date Finished: 8/17/2021

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
			175	0.1								**-SM-** SILTY SAND: Reddish brown, slightly moist, medium dense, very fine grained, with some clay, no staining, no odor.	1	AH-6 (0'-1')
			210	0.1								**-SM-** SANDY SILT: Light tan, dry, loose, poorly cemented, with caliche, no staining, no odor.	3	AH-6 (2'-3')
												Bottom of borehole at 3.0 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: Devin Dominguez | Drilling Equipment: Hand Auger | Driller: Tetra Tech

APPENDIX D
Laboratory Analytical Data

Pace Analytical®

ANALYTICAL REPORT

September 02, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1393263
Samples Received:	08/20/2021
Project Number:	212C-MD-02508
Description:	MCA CTB 1

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

Entire Report Reviewed By:

Chris McCord
Project Manager

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

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

TABLE OF CONTENTS

BH-1 (0-1') L1393263-01 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:00 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730092	1	08/27/21 13:44	08/27/21 13:50	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729558	5	08/26/21 10:57	08/26/21 16:40	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 01:26	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 08:46	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 18:01	CAG	Mt. Juliet, TN

BH-1 (2'-3') L1393263-02 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:05 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730092	1	08/27/21 13:44	08/27/21 13:50	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729558	5	08/26/21 10:57	08/26/21 16:49	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 01:47	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 09:05	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 22:28	CAG	Mt. Juliet, TN

BH-1 (4'-5') L1393263-03 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:10 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730092	1	08/27/21 13:44	08/27/21 13:50	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729558	5	08/26/21 10:57	08/26/21 16:58	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 02:09	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 09:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 18:15	CAG	Mt. Juliet, TN

BH-1 (6'-7') L1393263-04 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:15 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730092	1	08/27/21 13:44	08/27/21 13:50	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 04:00	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 02:30	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 09:44	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 18:29	CAG	Mt. Juliet, TN

BH-1 (9'-10') L1393263-05 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:20 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 04:10	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 02:52	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 10:03	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 18:43	CAG	Mt. Juliet, TN

BH-1 (14'-15') L1393263-06 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:25 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 04:20	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 03:13	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 10:22	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 18:57	CAG	Mt. Juliet, TN

BH-1 (19'-20') L1393263-07 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:30 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 04:30	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 03:35	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 10:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 19:11	CAG	Mt. Juliet, TN

BH-1 (24'-25') L1393263-08 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:35 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 04:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 04:36	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 11:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 19:25	CAG	Mt. Juliet, TN

BH-1 (29'-30') L1393263-09 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:40 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 04:49	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 04:58	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 11:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 19:39	CAG	Mt. Juliet, TN

BH-1 (34'-35) L1393263-10 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 12:45 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 04:59	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 05:19	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 11:38	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 19:54	CAG	Mt. Juliet, TN

BH-2 (0-1') L1393263-11 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:00 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 05:59	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 05:41	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 11:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 22:42	CAG	Mt. Juliet, TN

BH-2 (2'-3') L1393263-12 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:05 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	10	08/26/21 00:13	08/26/21 06:09	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1.01	08/24/21 16:28	08/25/21 06:02	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 12:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 22:14	CAG	Mt. Juliet, TN

BH-2 (4'-5') L1393263-13 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:10 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 06:19	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 06:24	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729503	1	08/24/21 16:28	08/26/21 12:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 20:08	CAG	Mt. Juliet, TN

BH-2 (6'-7') L1393263-14 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:15 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730093	1	08/27/21 13:15	08/27/21 13:21	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	10	08/26/21 00:13	08/26/21 06:29	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 06:45	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 01:54	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 20:22	CAG	Mt. Juliet, TN

BH-2 (9'-10') L1393263-15 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:20 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 06:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 07:07	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 02:13	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 20:36	CAG	Mt. Juliet, TN

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

BH-2 (14'-15') L1393263-16 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:25 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 06:48	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 07:28	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 02:32	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 20:50	CAG	Mt. Juliet, TN

BH-2 (19'-20') L1393263-17 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:30 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 06:58	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1.01	08/24/21 16:28	08/25/21 07:49	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 02:51	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 21:04	CAG	Mt. Juliet, TN

BH-2 (24'-25') L1393263-18 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:35 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 07:08	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 08:28	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 03:10	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 21:46	CAG	Mt. Juliet, TN

BH-2 (29'-30') L1393263-19 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:40 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 07:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 08:49	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 03:29	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731358	1	08/30/21 22:26	08/31/21 22:00	CAG	Mt. Juliet, TN

BH-2 (34'-35') L1393263-20 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 13:45 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 07:48	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1728799	1	08/24/21 16:28	08/25/21 09:11	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 16:28	08/26/21 03:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 19:34	CAG	Mt. Juliet, TN

BH-3 (0-1') L1393263-21 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:00 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 08:08	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 08:25	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 04:07	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	10	08/30/21 22:28	08/31/21 23:45	CAG	Mt. Juliet, TN

BH-3 (2'-3') L1393263-22 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:05 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	1	08/26/21 00:13	08/26/21 08:18	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 08:47	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 04:26	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	10	08/30/21 22:28	09/01/21 00:27	CAG	Mt. Juliet, TN

BH-3 (4'-5') L1393263-23 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:10 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729559	5	08/26/21 00:13	08/26/21 08:28	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 09:59	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 04:45	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 20:58	CAG	Mt. Juliet, TN

BH-3 (6'-7') L1393263-24 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:15 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730094	1	08/27/21 13:08	08/27/21 13:14	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 12:41	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 10:21	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 05:04	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 20:16	CAG	Mt. Juliet, TN

BH-3 (9'-10') L1393263-25 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:20 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 12:50	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1.01	08/24/21 18:55	08/27/21 10:43	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 05:23	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 20:44	CAG	Mt. Juliet, TN

SAMPLE SUMMARY

BH-3 (14'-15') L1393263-26 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:25 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 13:00	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1.01	08/24/21 18:55	08/27/21 11:05	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1.01	08/24/21 18:55	08/26/21 05:42	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 19:49	CAG	Mt. Juliet, TN

BH-3 (19-20') L1393263-27 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 14:30 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 13:09	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 11:27	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 06:01	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 20:02	CAG	Mt. Juliet, TN

AH-1 (0-1') L1393263-28 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:00 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 13:19	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 11:49	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 06:20	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 21:26	CAG	Mt. Juliet, TN

AH-1 (2'-3') L1393263-29 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:05 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 13:28	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1.01	08/24/21 18:55	08/27/21 12:11	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 06:39	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	09/01/21 21:25	CAG	Mt. Juliet, TN

AH-2 (0-1') L1393263-30 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:10 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 13:38	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1.01	08/24/21 18:55	08/27/21 12:33	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 06:58	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	09/01/21 21:39	CAG	Mt. Juliet, TN

AH-2 (2'-3') L1393263-31 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:15 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 13:47	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 12:55	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 07:17	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 21:54	CAG	Mt. Juliet, TN

AH-3 (0-1') L1393263-32 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:20 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 14:16	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 13:17	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 07:36	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 22:08	CAG	Mt. Juliet, TN

AH-3 (2'-3') L1393263-33 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:25 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 14:35	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 13:39	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729509	1	08/24/21 18:55	08/26/21 07:55	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 20:30	CAG	Mt. Juliet, TN

AH-4 (0-1') L1393263-34 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:30 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730095	1	08/27/21 12:56	08/27/21 13:02	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 14:45	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 14:01	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729528	1	08/24/21 18:55	08/25/21 17:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	09/01/21 21:53	CAG	Mt. Juliet, TN

AH-4 (2'-3') L1393263-35 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:35 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730096	1	08/27/21 09:14	08/27/21 09:20	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 14:54	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 14:23	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729528	1	08/24/21 18:55	08/25/21 17:22	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 22:35	CAG	Mt. Juliet, TN

AH-5 (0-1') L1393263-36 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:40 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730096	1	08/27/21 09:14	08/27/21 09:20	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 15:04	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 14:45	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729528	1	08/24/21 18:55	08/25/21 17:41	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	2	08/30/21 22:28	08/31/21 23:31	CAG	Mt. Juliet, TN

AH-5 (2'-3') L1393263-37 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:45 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730096	1	08/27/21 09:14	08/27/21 09:20	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 15:13	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 15:07	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729528	1	08/24/21 18:55	08/25/21 18:00	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	09/01/21 21:11	CAG	Mt. Juliet, TN

AH-6 (0-1') L1393263-38 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:50 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730096	1	08/27/21 09:14	08/27/21 09:20	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 15:23	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 15:37	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729528	1	08/24/21 18:55	08/25/21 18:19	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	09/01/21 20:57	CAG	Mt. Juliet, TN

AH-6 (2'-3') L1393263-39 Solid

Collected by: Devin Dominguez | Collected date/time: 08/17/21 15:55 | Received date/time: 08/20/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1730096	1	08/27/21 09:14	08/27/21 09:20	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1729560	1	08/26/21 10:12	08/26/21 15:32	MCG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1729233	1	08/24/21 18:55	08/27/21 15:59	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1729528	1	08/24/21 18:55	08/25/21 18:37	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1731359	1	08/30/21 22:28	08/31/21 23:17	CAG	Mt. Juliet, TN

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

CASE NARRATIVE

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

Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	08/27/2021 13:50	WG1730092

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	1050		52.6	114	5	08/26/2021 16:40	WG1729558

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		0.0248	0.114	1	08/25/2021 01:26	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*08/25/2021 01:26*	WG1728799

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		0.000601	0.00129	1	08/26/2021 08:46	WG1729503
Toluene	U		0.00167	0.00644	1	08/26/2021 08:46	WG1729503
Ethylbenzene	U		0.000949	0.00322	1	08/26/2021 08:46	WG1729503
Total Xylenes	U		0.00113	0.00837	1	08/26/2021 08:46	WG1729503
(S) Toluene-d8	*105*			*75.0-131*		*08/26/2021 08:46*	WG1729503
(S) 4-Bromofluorobenzene	*97.9*			*67.0-138*		*08/26/2021 08:46*	WG1729503
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*08/26/2021 08:46*	WG1729503

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	3.25	J	1.84	4.57	1	08/31/2021 18:01	WG1731358
C28-C36 Motor Oil Range	7.43		0.313	4.57	1	08/31/2021 18:01	WG1731358
(S) o-Terphenyl	*63.8*			*18.0-148*		*08/31/2021 18:01*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	08/27/2021 13:50	WG1730092

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	872		52.4	114	5	08/26/2021 16:49	WG1729558

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		0.0247	0.114	1	08/25/2021 01:47	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 01:47*	WG1728799

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		0.000596	0.00128	1	08/26/2021 09:05	WG1729503
Toluene	U		0.00166	0.00639	1	08/26/2021 09:05	WG1729503
Ethylbenzene	U		0.000941	0.00319	1	08/26/2021 09:05	WG1729503
Total Xylenes	U		0.00112	0.00830	1	08/26/2021 09:05	WG1729503
(S) Toluene-d8	*102*			*75.0-131*		*08/26/2021 09:05*	WG1729503
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*08/26/2021 09:05*	WG1729503
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*08/26/2021 09:05*	WG1729503

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	19.8		1.83	4.55	1	08/31/2021 22:28	WG1731358
C28-C36 Motor Oil Range	20.9		0.312	4.55	1	08/31/2021 22:28	WG1731358
(S) o-Terphenyl	*58.7*			*18.0-148*		*08/31/2021 22:28*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.7		1	08/27/2021 13:50	WG1730092

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	3190		52.4	114	5	08/26/2021 16:58	WG1729558

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		0.0247	0.114	1	08/25/2021 02:09	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 02:09*	WG1728799

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		0.000598	0.00128	1	08/26/2021 09:24	WG1729503
Toluene	U		0.00166	0.00640	1	08/26/2021 09:24	WG1729503
Ethylbenzene	U		0.000943	0.00320	1	08/26/2021 09:24	WG1729503
Total Xylenes	U		0.00113	0.00832	1	08/26/2021 09:24	WG1729503
(S) Toluene-d8	*105*			*75.0-131*		*08/26/2021 09:24*	WG1729503
(S) 4-Bromofluorobenzene	*97.0*			*67.0-138*		*08/26/2021 09:24*	WG1729503
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*08/26/2021 09:24*	WG1729503

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	3.57	J	1.83	4.56	1	08/31/2021 18:15	WG1731358
C28-C36 Motor Oil Range	3.27	J	0.312	4.56	1	08/31/2021 18:15	WG1731358
(S) o-Terphenyl	*58.7*			*18.0-148*		*08/31/2021 18:15*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	08/27/2021 13:50	WG1730092

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	2070		50.2	109	5	08/26/2021 04:00	WG1729559

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	08/25/2021 02:30	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 02:30*	WG1728799

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000552	0.00118	1	08/26/2021 09:44	WG1729503
Toluene	U		0.00154	0.00591	1	08/26/2021 09:44	WG1729503
Ethylbenzene	U		0.000871	0.00295	1	08/26/2021 09:44	WG1729503
Total Xylenes	U		0.00104	0.00768	1	08/26/2021 09:44	WG1729503
(S) Toluene-d8	*102*			*75.0-131*		*08/26/2021 09:44*	WG1729503
(S) 4-Bromofluorobenzene	*96.0*			*67.0-138*		*08/26/2021 09:44*	WG1729503
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*08/26/2021 09:44*	WG1729503

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	4.36	1	08/31/2021 18:29	WG1731358
C28-C36 Motor Oil Range	0.616	J	0.299	4.36	1	08/31/2021 18:29	WG1731358
(S) o-Terphenyl	*61.0*			*18.0-148*		*08/31/2021 18:29*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	08/27/2021 13:21	WG1730093

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		49.1	107	5	08/26/2021 04:10	WG1729559

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	08/25/2021 02:52	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 02:52*	WG1728799

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	08/26/2021 10:03	WG1729503
Toluene	U		0.00148	0.00568	1	08/26/2021 10:03	WG1729503
Ethylbenzene	U		0.000837	0.00284	1	08/26/2021 10:03	WG1729503
Total Xylenes	U		0.00100	0.00739	1	08/26/2021 10:03	WG1729503
(S) Toluene-d8	*104*			*75.0-131*		*08/26/2021 10:03*	WG1729503
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*08/26/2021 10:03*	WG1729503
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*08/26/2021 10:03*	WG1729503

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	2.00	J	1.72	4.27	1	08/31/2021 18:43	WG1731358
C28-C36 Motor Oil Range	1.01	J	0.293	4.27	1	08/31/2021 18:43	WG1731358
(S) o-Terphenyl	*64.2*			*18.0-148*		*08/31/2021 18:43*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	08/27/2021 13:21	WG1730093

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	841		9.76	21.2	1	08/26/2021 04:20	WG1729559

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	08/25/2021 03:13	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*08/25/2021 03:13*	WG1728799

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000524	0.00112	1	08/26/2021 10:22	WG1729503
Toluene	U		0.00146	0.00561	1	08/26/2021 10:22	WG1729503
Ethylbenzene	U		0.000827	0.00281	1	08/26/2021 10:22	WG1729503
Total Xylenes	U		0.000987	0.00729	1	08/26/2021 10:22	WG1729503
(S) Toluene-d8	*104*			*75.0-131*		*08/26/2021 10:22*	WG1729503
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/26/2021 10:22*	WG1729503
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*		*08/26/2021 10:22*	WG1729503

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	08/31/2021 18:57	WG1731358
C28-C36 Motor Oil Range	0.544	J	0.291	4.24	1	08/31/2021 18:57	WG1731358
(S) o-Terphenyl	*57.6*			*18.0-148*		*08/31/2021 18:57*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	08/27/2021 13:21	WG1730093

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	459		9.87	21.5	1	08/26/2021 04:30	WG1729559

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0233	0.107	1	08/25/2021 03:35	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 03:35*	WG1728799

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		0.000535	0.00115	1	08/26/2021 10:41	WG1729503
Toluene	U		0.00149	0.00573	1	08/26/2021 10:41	WG1729503
Ethylbenzene	U		0.000844	0.00286	1	08/26/2021 10:41	WG1729503
Total Xylenes	U		0.00101	0.00745	1	08/26/2021 10:41	WG1729503
(S) Toluene-d8	*104*			*75.0-131*		*08/26/2021 10:41*	WG1729503
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*		*08/26/2021 10:41*	WG1729503
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*08/26/2021 10:41*	WG1729503

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	4.23	J	1.73	4.29	1	08/31/2021 19:11	WG1731358
C28-C36 Motor Oil Range	3.68	J	0.294	4.29	1	08/31/2021 19:11	WG1731358
(S) o-Terphenyl	*56.1*			*18.0-148*		*08/31/2021 19:11*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.3		1	08/27/2021 13:21	WG1730093

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	361		9.96	21.7	1	08/26/2021 04:39	WG1729559

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	08/25/2021 04:36	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*08/25/2021 04:36*	WG1728799

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	08/26/2021 11:00	WG1729503
Toluene	U		0.00152	0.00583	1	08/26/2021 11:00	WG1729503
Ethylbenzene	U		0.000860	0.00292	1	08/26/2021 11:00	WG1729503
Total Xylenes	U		0.00103	0.00758	1	08/26/2021 11:00	WG1729503
(S) Toluene-d8	*105*			*75.0-131*		*08/26/2021 11:00*	WG1729503
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*08/26/2021 11:00*	WG1729503
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*08/26/2021 11:00*	WG1729503

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	08/31/2021 19:25	WG1731358
C28-C36 Motor Oil Range	0.532	J	0.297	4.33	1	08/31/2021 19:25	WG1731358
(S) o-Terphenyl	*58.3*			*18.0-148*		*08/31/2021 19:25*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.9		1	08/27/2021 13:21	WG1730093

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	395		10.0	21.8	1	08/26/2021 04:49	WG1729559

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	08/25/2021 04:58	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*08/25/2021 04:58*	WG1728799

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000549	0.00118	1	08/26/2021 11:19	WG1729503
Toluene	U		0.00153	0.00588	1	08/26/2021 11:19	WG1729503
Ethylbenzene	U		0.000867	0.00294	1	08/26/2021 11:19	WG1729503
Total Xylenes	U		0.00104	0.00765	1	08/26/2021 11:19	WG1729503
(S) Toluene-d8	*102*			*75.0-131*		*08/26/2021 11:19*	WG1729503
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*08/26/2021 11:19*	WG1729503
(S) 1,2-Dichloroethane-d4	*97.6*			*70.0-130*		*08/26/2021 11:19*	WG1729503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.35	1	08/31/2021 19:39	WG1731358
C28-C36 Motor Oil Range	U		0.298	4.35	1	08/31/2021 19:39	WG1731358
(S) o-Terphenyl	*51.7*			*18.0-148*		*08/31/2021 19:39*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	08/27/2021 13:21	WG1730093

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	106		9.83	21.4	1	08/26/2021 04:59	WG1729559

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	08/25/2021 05:19	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 05:19*	WG1728799

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	08/26/2021 11:38	WG1729503
Toluene	U		0.00148	0.00568	1	08/26/2021 11:38	WG1729503
Ethylbenzene	U		0.000838	0.00284	1	08/26/2021 11:38	WG1729503
Total Xylenes	U		0.00100	0.00739	1	08/26/2021 11:38	WG1729503
(S) Toluene-d8	*103*			*75.0-131*		*08/26/2021 11:38*	WG1729503
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*		*08/26/2021 11:38*	WG1729503
(S) 1,2-Dichloroethane-d4	*95.2*			*70.0-130*		*08/26/2021 11:38*	WG1729503

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	08/31/2021 19:54	WG1731358
C28-C36 Motor Oil Range	0.607	J	0.293	4.27	1	08/31/2021 19:54	WG1731358
(S) o-Terphenyl	*54.6*			*18.0-148*		*08/31/2021 19:54*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.9		1	08/27/2021 13:21	WG1730093

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	102	J	51.7	112	5	08/26/2021 05:59	WG1729559

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0244	0.112	1	08/25/2021 05:41	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 05:41*	WG1728799

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		0.000583	0.00125	1	08/26/2021 11:57	WG1729503
Toluene	U		0.00162	0.00624	1	08/26/2021 11:57	WG1729503
Ethylbenzene	U		0.000920	0.00312	1	08/26/2021 11:57	WG1729503
Total Xylenes	U		0.00110	0.00812	1	08/26/2021 11:57	WG1729503
(S) Toluene-d8	*103*			*75.0-131*		*08/26/2021 11:57*	WG1729503
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*08/26/2021 11:57*	WG1729503
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*08/26/2021 11:57*	WG1729503

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	11.2		1.81	4.50	1	08/31/2021 22:42	WG1731358
C28-C36 Motor Oil Range	11.2		0.308	4.50	1	08/31/2021 22:42	WG1731358
(S) o-Terphenyl	*49.4*			*18.0-148*		*08/31/2021 22:42*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	08/27/2021 13:21	WG1730093

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	313		105	229	10	08/26/2021 06:09	WG1729559

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		0.0251	0.116	1.01	08/25/2021 06:02	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*08/25/2021 06:02*	WG1728799

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		0.000602	0.00129	1	08/26/2021 12:17	WG1729503
Toluene	U		0.00168	0.00645	1	08/26/2021 12:17	WG1729503
Ethylbenzene	U		0.000950	0.00322	1	08/26/2021 12:17	WG1729503
Total Xylenes	U		0.00113	0.00838	1	08/26/2021 12:17	WG1729503
(S) Toluene-d8	*103*			*75.0-131*		*08/26/2021 12:17*	WG1729503
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*		*08/26/2021 12:17*	WG1729503
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*08/26/2021 12:17*	WG1729503

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	2.07	J	1.84	4.58	1	08/31/2021 22:14	WG1731358
C28-C36 Motor Oil Range	5.37		0.314	4.58	1	08/31/2021 22:14	WG1731358
(S) o-Terphenyl	*56.0*			*18.0-148*		*08/31/2021 22:14*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	08/27/2021 13:21	WG1730093

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	670		10.5	22.9	1	08/26/2021 06:19	WG1729559

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		0.0249	0.115	1	08/25/2021 06:24	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 06:24*	WG1728799

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		0.000604	0.00129	1	08/26/2021 12:36	WG1729503
Toluene	U		0.00168	0.00646	1	08/26/2021 12:36	WG1729503
Ethylbenzene	U		0.000953	0.00323	1	08/26/2021 12:36	WG1729503
Total Xylenes	U		0.00114	0.00840	1	08/26/2021 12:36	WG1729503
(S) Toluene-d8	*103*			*75.0-131*		*08/26/2021 12:36*	WG1729503
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*08/26/2021 12:36*	WG1729503
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*08/26/2021 12:36*	WG1729503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.85	4.59	1	08/31/2021 20:08	WG1731358
C28-C36 Motor Oil Range	1.25	J	0.314	4.59	1	08/31/2021 20:08	WG1731358
(S) o-Terphenyl	*41.0*			*18.0-148*		*08/31/2021 20:08*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	08/27/2021 13:21	WG1730093

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	877		103	224	10	08/26/2021 06:29	WG1729559

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		0.0243	0.112	1	08/25/2021 06:45	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*08/25/2021 06:45*	WG1728799

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		0.000581	0.00124	1	08/26/2021 01:54	WG1729509
Toluene	U		0.00162	0.00622	1	08/26/2021 01:54	WG1729509
Ethylbenzene	U		0.000916	0.00311	1	08/26/2021 01:54	WG1729509
Total Xylenes	U		0.00109	0.00808	1	08/26/2021 01:54	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 01:54*	WG1729509
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/26/2021 01:54*	WG1729509
(S) 1,2-Dichloroethane-d4	*93.0*			*70.0-130*		*08/26/2021 01:54*	WG1729509

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	1.93	J	1.81	4.49	1	08/31/2021 20:22	WG1731358
C28-C36 Motor Oil Range	3.23	J	0.307	4.49	1	08/31/2021 20:22	WG1731358
(S) o-Terphenyl	*49.5*			*18.0-148*		*08/31/2021 20:22*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	08/27/2021 13:14	WG1730094

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	1460		50.1	109	5	08/26/2021 06:38	WG1729559

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	08/25/2021 07:07	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*08/25/2021 07:07*	WG1728799

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		0.000550	0.00118	1	08/26/2021 02:13	WG1729509
Toluene	U		0.00153	0.00589	1	08/26/2021 02:13	WG1729509
Ethylbenzene	U		0.000869	0.00295	1	08/26/2021 02:13	WG1729509
Total Xylenes	U		0.00104	0.00766	1	08/26/2021 02:13	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 02:13*	WG1729509
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*08/26/2021 02:13*	WG1729509
(S) 1,2-Dichloroethane-d4	*99.5*			*70.0-130*		*08/26/2021 02:13*	WG1729509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.36	1	08/31/2021 20:36	WG1731358
C28-C36 Motor Oil Range	2.03	J	0.298	4.36	1	08/31/2021 20:36	WG1731358
(S) o-Terphenyl	*48.3*			*18.0-148*		*08/31/2021 20:36*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	08/27/2021 13:14	WG1730094

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	1060		48.6	106	5	08/26/2021 06:48	WG1729559

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	08/25/2021 07:28	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*08/25/2021 07:28*	WG1728799

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	08/26/2021 02:32	WG1729509
Toluene	U		0.00144	0.00556	1	08/26/2021 02:32	WG1729509
Ethylbenzene	U		0.000819	0.00278	1	08/26/2021 02:32	WG1729509
Total Xylenes	U		0.000978	0.00722	1	08/26/2021 02:32	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 02:32*	WG1729509
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/26/2021 02:32*	WG1729509
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*08/26/2021 02:32*	WG1729509

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	08/31/2021 20:50	WG1731358
C28-C36 Motor Oil Range	1.31	J	0.289	4.22	1	08/31/2021 20:50	WG1731358
(S) o-Terphenyl	*62.3*			*18.0-148*		*08/31/2021 20:50*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	08/27/2021 13:14	WG1730094

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	963		48.4	105	5	08/26/2021 06:58	WG1729559

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	1.01	08/25/2021 07:49	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 07:49*	WG1728799

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000515	0.00110	1	08/26/2021 02:51	WG1729509
Toluene	U		0.00143	0.00552	1	08/26/2021 02:51	WG1729509
Ethylbenzene	U		0.000814	0.00276	1	08/26/2021 02:51	WG1729509
Total Xylenes	U		0.000971	0.00717	1	08/26/2021 02:51	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 02:51*	WG1729509
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*08/26/2021 02:51*	WG1729509
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*08/26/2021 02:51*	WG1729509

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	J3	1.69	4.21	1	08/31/2021 21:04	WG1731358
C28-C36 Motor Oil Range	1.28	J	0.288	4.21	1	08/31/2021 21:04	WG1731358
(S) o-Terphenyl	*55.6*			*18.0-148*		*08/31/2021 21:04*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	08/27/2021 13:14	WG1730094

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	739		10.3	22.4	1	08/26/2021 07:08	WG1729559

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		0.0243	0.112	1	08/25/2021 08:28	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 08:28*	WG1728799

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		0.000580	0.00124	1	08/26/2021 03:10	WG1729509
Toluene	U		0.00162	0.00621	1	08/26/2021 03:10	WG1729509
Ethylbenzene	U		0.000916	0.00311	1	08/26/2021 03:10	WG1729509
Total Xylenes	U		0.00109	0.00808	1	08/26/2021 03:10	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 03:10*	WG1729509
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*08/26/2021 03:10*	WG1729509
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*08/26/2021 03:10*	WG1729509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.81	4.49	1	08/31/2021 21:46	WG1731358
C28-C36 Motor Oil Range	1.15	J	0.307	4.49	1	08/31/2021 21:46	WG1731358
(S) o-Terphenyl	*58.8*			*18.0-148*		*08/31/2021 21:46*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	08/27/2021 13:14	WG1730094

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	500		10.3	22.3	1	08/26/2021 07:38	WG1729559

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		0.0242	0.111	1	08/25/2021 08:49	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 08:49*	WG1728799

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		0.000574	0.00123	1	08/26/2021 03:29	WG1729509
Toluene	U		0.00160	0.00615	1	08/26/2021 03:29	WG1729509
Ethylbenzene	U		0.000906	0.00307	1	08/26/2021 03:29	WG1729509
Total Xylenes	U		0.00108	0.00799	1	08/26/2021 03:29	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 03:29*	WG1729509
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/26/2021 03:29*	WG1729509
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*08/26/2021 03:29*	WG1729509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.79	4.46	1	08/31/2021 22:00	WG1731358
C28-C36 Motor Oil Range	U		0.305	4.46	1	08/31/2021 22:00	WG1731358
(S) o-Terphenyl	*54.8*			*18.0-148*		*08/31/2021 22:00*	WG1731358

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.1		1	08/27/2021 13:14	WG1730094

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	535		9.99	21.7	1	08/26/2021 07:48	WG1729559

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0236	0.109	1	08/25/2021 09:11	WG1728799
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*08/25/2021 09:11*	WG1728799

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		0.000547	0.00117	1	08/26/2021 03:48	WG1729509
Toluene	U		0.00152	0.00586	1	08/26/2021 03:48	WG1729509
Ethylbenzene	U		0.000863	0.00293	1	08/26/2021 03:48	WG1729509
Total Xylenes	U		0.00103	0.00761	1	08/26/2021 03:48	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 03:48*	WG1729509
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*08/26/2021 03:48*	WG1729509
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*08/26/2021 03:48*	WG1729509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.75	4.34	1	08/31/2021 19:34	WG1731359
C28-C36 Motor Oil Range	U		0.297	4.34	1	08/31/2021 19:34	WG1731359
(S) o-Terphenyl	*56.5*			*18.0-148*		*08/31/2021 19:34*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	08/27/2021 13:14	WG1730094

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	161		10.2	22.2	1	08/26/2021 08:08	WG1729559

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	08/27/2021 08:25	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*77.0-120*		*08/27/2021 08:25*	WG1729233

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	0.00122	1	08/26/2021 04:07	WG1729509
Toluene	U		0.00158	0.00608	1	08/26/2021 04:07	WG1729509
Ethylbenzene	U		0.000896	0.00304	1	08/26/2021 04:07	WG1729509
Total Xylenes	0.00482	J	0.00107	0.00790	1	08/26/2021 04:07	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 04:07*	WG1729509
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*08/26/2021 04:07*	WG1729509
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*08/26/2021 04:07*	WG1729509

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	130	J3 J5	17.8	44.3	10	08/31/2021 23:45	WG1731359
C28-C36 Motor Oil Range	423		3.03	44.3	10	08/31/2021 23:45	WG1731359
(S) o-Terphenyl	*60.3*			*18.0-148*		*08/31/2021 23:45*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	08/27/2021 13:14	WG1730094

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	348		9.96	21.7	1	08/26/2021 08:18	WG1729559

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	08/27/2021 08:47	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*08/27/2021 08:47*	WG1729233

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	08/26/2021 04:26	WG1729509
Toluene	0.00379	J	0.00151	0.00583	1	08/26/2021 04:26	WG1729509
Ethylbenzene	0.0496		0.000859	0.00291	1	08/26/2021 04:26	WG1729509
Total Xylenes	0.323		0.00103	0.00757	1	08/26/2021 04:26	WG1729509
(S) Toluene-d8	*107*			*75.0-131*		*08/26/2021 04:26*	WG1729509
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*08/26/2021 04:26*	WG1729509
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*08/26/2021 04:26*	WG1729509

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	261		17.4	43.3	10	09/01/2021 00:27	WG1731359
C28-C36 Motor Oil Range	653		2.97	43.3	10	09/01/2021 00:27	WG1731359
(S) o-Terphenyl	*59.9*			*18.0-148*		*09/01/2021 00:27*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.6		1	08/27/2021 13:14	WG1730094

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	1260		50.7	110	5	08/26/2021 08:28	WG1729559

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1	08/27/2021 09:59	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*77.0-120*		*08/27/2021 09:59*	WG1729233

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000563	0.00121	1	08/26/2021 04:45	WG1729509
Toluene	U		0.00157	0.00603	1	08/26/2021 04:45	WG1729509
Ethylbenzene	0.00124	J	0.000889	0.00302	1	08/26/2021 04:45	WG1729509
Total Xylenes	0.00812		0.00106	0.00784	1	08/26/2021 04:45	WG1729509
(S) Toluene-d8	*109*			*75.0-131*		*08/26/2021 04:45*	WG1729509
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/26/2021 04:45*	WG1729509
(S) 1,2-Dichloroethane-d4	*94.5*			*70.0-130*		*08/26/2021 04:45*	WG1729509

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	51.7		1.78	4.41	1	08/31/2021 20:58	WG1731359
C28-C36 Motor Oil Range	115		0.302	4.41	1	08/31/2021 20:58	WG1731359
(S) o-Terphenyl	*50.5*			*18.0-148*		*08/31/2021 20:58*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.0		1	08/27/2021 13:14	WG1730094

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	832		9.90	21.5	1	08/26/2021 12:41	WG1729560

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	08/27/2021 10:21	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.8*			*77.0-120*		*08/27/2021 10:21*	WG1729233

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	08/26/2021 05:04	WG1729509
Toluene	U		0.00150	0.00575	1	08/26/2021 05:04	WG1729509
Ethylbenzene	U		0.000848	0.00288	1	08/26/2021 05:04	WG1729509
Total Xylenes	U		0.00101	0.00748	1	08/26/2021 05:04	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 05:04*	WG1729509
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/26/2021 05:04*	WG1729509
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*08/26/2021 05:04*	WG1729509

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	6.53		1.73	4.30	1	08/31/2021 20:16	WG1731359
C28-C36 Motor Oil Range	9.66		0.295	4.30	1	08/31/2021 20:16	WG1731359
(S) o-Terphenyl	*58.7*			*18.0-148*		*08/31/2021 20:16*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	08/27/2021 13:02	WG1730095

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	693		9.79	21.3	1	08/26/2021 12:50	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0233	0.107	1.01	08/27/2021 10:43	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*77.0-120*		*08/27/2021 10:43*	WG1729233

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000526	0.00113	1	08/26/2021 05:23	WG1729509
Toluene	U		0.00147	0.00564	1	08/26/2021 05:23	WG1729509
Ethylbenzene	U		0.000831	0.00282	1	08/26/2021 05:23	WG1729509
Total Xylenes	U		0.000992	0.00733	1	08/26/2021 05:23	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 05:23*	WG1729509
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*08/26/2021 05:23*	WG1729509
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*08/26/2021 05:23*	WG1729509

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	7.76		1.71	4.25	1	08/31/2021 20:44	WG1731359
C28-C36 Motor Oil Range	15.4		0.291	4.25	1	08/31/2021 20:44	WG1731359
(S) o-Terphenyl	*66.8*			*18.0-148*		*08/31/2021 20:44*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.7		1	08/27/2021 13:02	WG1730095

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	58.9		10.0	21.8	1	08/26/2021 13:00	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0239	0.110	1.01	08/27/2021 11:05	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.3*			*77.0-120*		*08/27/2021 11:05*	WG1729233

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		0.000557	0.00119	1.01	08/26/2021 05:42	WG1729509
Toluene	U		0.00155	0.00596	1.01	08/26/2021 05:42	WG1729509
Ethylbenzene	U		0.000878	0.00298	1.01	08/26/2021 05:42	WG1729509
Total Xylenes	U		0.00105	0.00774	1.01	08/26/2021 05:42	WG1729509
(S) Toluene-d8	*107*			*75.0-131*		*08/26/2021 05:42*	WG1729509
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/26/2021 05:42*	WG1729509
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*08/26/2021 05:42*	WG1729509

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	4.36	1	08/31/2021 19:49	WG1731359
C28-C36 Motor Oil Range	U		0.299	4.36	1	08/31/2021 19:49	WG1731359
(S) o-Terphenyl	*62.9*			*18.0-148*		*08/31/2021 19:49*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	08/27/2021 13:02	WG1730095

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	56.9		10.0	21.8	1	08/26/2021 13:09	WG1729560

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	08/27/2021 11:27	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.8*			*77.0-120*		*08/27/2021 11:27*	WG1729233

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000553	0.00118	1	08/26/2021 06:01	WG1729509
Toluene	U		0.00154	0.00592	1	08/26/2021 06:01	WG1729509
Ethylbenzene	U		0.000873	0.00296	1	08/26/2021 06:01	WG1729509
Total Xylenes	U		0.00104	0.00770	1	08/26/2021 06:01	WG1729509
(S) Toluene-d8	*110*			*75.0-131*		*08/26/2021 06:01*	WG1729509
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*08/26/2021 06:01*	WG1729509
(S) 1,2-Dichloroethane-d4	*95.3*			*70.0-130*		*08/26/2021 06:01*	WG1729509

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	08/31/2021 20:02	WG1731359
C28-C36 Motor Oil Range	U		0.299	4.37	1	08/31/2021 20:02	WG1731359
(S) o-Terphenyl	*60.5*			*18.0-148*		*08/31/2021 20:02*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.7		1	08/27/2021 13:02	WG1730095

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	84.2		9.42	20.5	1	08/26/2021 13:19	WG1729560

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	08/27/2021 11:49	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.7*			*77.0-120*		*08/27/2021 11:49*	WG1729233

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	08/26/2021 06:20	WG1729509
Toluene	U		0.00136	0.00524	1	08/26/2021 06:20	WG1729509
Ethylbenzene	U		0.000772	0.00262	1	08/26/2021 06:20	WG1729509
Total Xylenes	U		0.000922	0.00681	1	08/26/2021 06:20	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 06:20*	WG1729509
(S) 4-Bromofluorobenzene	*99.0*			*67.0-138*		*08/26/2021 06:20*	WG1729509
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*08/26/2021 06:20*	WG1729509

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	8.93		1.65	4.09	1	08/31/2021 21:26	WG1731359
C28-C36 Motor Oil Range	37.7		0.281	4.09	1	08/31/2021 21:26	WG1731359
(S) o-Terphenyl	*66.5*			*18.0-148*		*08/31/2021 21:26*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	08/27/2021 13:02	WG1730095

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	103		9.45	20.5	1	08/26/2021 13:28	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1.01	08/27/2021 12:11	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*08/27/2021 12:11*	WG1729233

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		0.000492	0.00105	1	08/26/2021 06:39	WG1729509
Toluene	U		0.00137	0.00527	1	08/26/2021 06:39	WG1729509
Ethylbenzene	U		0.000776	0.00263	1	08/26/2021 06:39	WG1729509
Total Xylenes	U		0.000927	0.00685	1	08/26/2021 06:39	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 06:39*	WG1729509
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*08/26/2021 06:39*	WG1729509
(S) 1,2-Dichloroethane-d4	*94.8*			*70.0-130*		*08/26/2021 06:39*	WG1729509

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	3.29	J	1.65	4.11	1	09/01/2021 21:25	WG1731359
C28-C36 Motor Oil Range	13.1		0.281	4.11	1	09/01/2021 21:25	WG1731359
(S) o-Terphenyl	*67.6*			*18.0-148*		*09/01/2021 21:25*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	08/27/2021 13:02	WG1730095

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	9.61	J	9.56	20.8	1	08/26/2021 13:38	WG1729560

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	1.01	08/27/2021 12:33	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*08/27/2021 12:33*	WG1729233

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		0.000504	0.00108	1	08/26/2021 06:58	WG1729509
Toluene	U		0.00140	0.00539	1	08/26/2021 06:58	WG1729509
Ethylbenzene	U		0.000795	0.00270	1	08/26/2021 06:58	WG1729509
Total Xylenes	U		0.000949	0.00701	1	08/26/2021 06:58	WG1729509
(S) Toluene-d8	*107*			*75.0-131*		*08/26/2021 06:58*	WG1729509
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*08/26/2021 06:58*	WG1729509
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*08/26/2021 06:58*	WG1729509

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	3.38	J	1.67	4.16	1	09/01/2021 21:39	WG1731359
C28-C36 Motor Oil Range	15.0		0.285	4.16	1	09/01/2021 21:39	WG1731359
(S) o-Terphenyl	*68.2*			*18.0-148*		*09/01/2021 21:39*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.5		1	08/27/2021 13:02	WG1730095

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	9.59	J	9.54	20.7	1	08/26/2021 13:47	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	08/27/2021 12:55	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*77.0-120*		*08/27/2021 12:55*	WG1729233

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000501	0.00107	1	08/26/2021 07:17	WG1729509
Toluene	U		0.00140	0.00537	1	08/26/2021 07:17	WG1729509
Ethylbenzene	U		0.000791	0.00268	1	08/26/2021 07:17	WG1729509
Total Xylenes	0.00184	J	0.000944	0.00698	1	08/26/2021 07:17	WG1729509
(S) Toluene-d8	*107*			*75.0-131*		*08/26/2021 07:17*	WG1729509
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*08/26/2021 07:17*	WG1729509
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*		*08/26/2021 07:17*	WG1729509

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	10.4		1.67	4.15	1	08/31/2021 21:54	WG1731359
C28-C36 Motor Oil Range	49.9		0.284	4.15	1	08/31/2021 21:54	WG1731359
(S) o-Terphenyl	*64.7*			*18.0-148*		*08/31/2021 21:54*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	08/27/2021 13:02	WG1730095

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	U		9.98	21.7	1	08/26/2021 14:16	WG1729560

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	08/27/2021 13:17	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*08/27/2021 13:17*	WG1729233

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		0.000546	0.00117	1	08/26/2021 07:36	WG1729509
Toluene	U		0.00152	0.00585	1	08/26/2021 07:36	WG1729509
Ethylbenzene	U		0.000862	0.00292	1	08/26/2021 07:36	WG1729509
Total Xylenes	U		0.00103	0.00760	1	08/26/2021 07:36	WG1729509
(S) Toluene-d8	*108*			*75.0-131*		*08/26/2021 07:36*	WG1729509
(S) 4-Bromofluorobenzene	*99.1*			*67.0-138*		*08/26/2021 07:36*	WG1729509
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*08/26/2021 07:36*	WG1729509

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	70.0		1.75	4.34	1	08/31/2021 22:08	WG1731359
C28-C36 Motor Oil Range	174		0.297	4.34	1	08/31/2021 22:08	WG1731359
(S) o-Terphenyl	*45.1*			*18.0-148*		*08/31/2021 22:08*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	08/27/2021 13:02	WG1730095

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	U		9.44	20.5	1	08/26/2021 14:35	WG1729560

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		0.0223	0.103	1	08/27/2021 13:39	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.2*			*77.0-120*		*08/27/2021 13:39*	WG1729233

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		0.000492	0.00105	1	08/26/2021 07:55	WG1729509
Toluene	U		0.00137	0.00526	1	08/26/2021 07:55	WG1729509
Ethylbenzene	U		0.000776	0.00263	1	08/26/2021 07:55	WG1729509
Total Xylenes	U		0.000926	0.00684	1	08/26/2021 07:55	WG1729509
(S) Toluene-d8	*111*			*75.0-131*		*08/26/2021 07:55*	WG1729509
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/26/2021 07:55*	WG1729509
(S) 1,2-Dichloroethane-d4	*90.0*			*70.0-130*		*08/26/2021 07:55*	WG1729509

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	4.11	1	08/31/2021 20:30	WG1731359
C28-C36 Motor Oil Range	5.53		0.281	4.11	1	08/31/2021 20:30	WG1731359
(S) o-Terphenyl	*69.7*			*18.0-148*		*08/31/2021 20:30*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.9		1	08/27/2021 13:02	WG1730095

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	17.3	J	9.40	20.4	1	08/26/2021 14:45	WG1729560

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	08/27/2021 14:01	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.0*			*77.0-120*		*08/27/2021 14:01*	WG1729233

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		0.000487	0.00104	1	08/25/2021 17:02	WG1729528
Toluene	U		0.00136	0.00522	1	08/25/2021 17:02	WG1729528
Ethylbenzene	U		0.000769	0.00261	1	08/25/2021 17:02	WG1729528
Total Xylenes	U		0.000918	0.00678	1	08/25/2021 17:02	WG1729528
(S) Toluene-d8	*106*			*75.0-131*		*08/25/2021 17:02*	WG1729528
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*08/25/2021 17:02*	WG1729528
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*08/25/2021 17:02*	WG1729528

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	3.37	J	1.64	4.09	1	09/01/2021 21:53	WG1731359
C28-C36 Motor Oil Range	15.8		0.280	4.09	1	09/01/2021 21:53	WG1731359
(S) o-Terphenyl	*64.1*			*18.0-148*		*09/01/2021 21:53*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.2		1	08/27/2021 09:20	WG1730096

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	21.6		9.37	20.4	1	08/26/2021 14:54	WG1729560

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		0.0221	0.102	1	08/27/2021 14:23	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*08/27/2021 14:23*	WG1729233

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		0.000484	0.00104	1	08/25/2021 17:22	WG1729528
Toluene	U		0.00135	0.00518	1	08/25/2021 17:22	WG1729528
Ethylbenzene	U		0.000764	0.00259	1	08/25/2021 17:22	WG1729528
Total Xylenes	U		0.000912	0.00674	1	08/25/2021 17:22	WG1729528
(S) Toluene-d8	*110*			*75.0-131*		*08/25/2021 17:22*	WG1729528
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*08/25/2021 17:22*	WG1729528
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*08/25/2021 17:22*	WG1729528

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	4.46		1.64	4.07	1	08/31/2021 22:35	WG1731359
C28-C36 Motor Oil Range	23.5		0.279	4.07	1	08/31/2021 22:35	WG1731359
(S) o-Terphenyl	*65.0*			*18.0-148*		*08/31/2021 22:35*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	08/27/2021 09:20	WG1730096

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	93.9		9.54	20.7	1	08/26/2021 15:04	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	08/27/2021 14:45	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.2*			*77.0-120*		*08/27/2021 14:45*	WG1729233

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		0.000502	0.00107	1	08/25/2021 17:41	WG1729528
Toluene	U		0.00140	0.00537	1	08/25/2021 17:41	WG1729528
Ethylbenzene	U		0.000792	0.00269	1	08/25/2021 17:41	WG1729528
Total Xylenes	U		0.000945	0.00698	1	08/25/2021 17:41	WG1729528
(S) Toluene-d8	*105*			*75.0-131*		*08/25/2021 17:41*	WG1729528
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/25/2021 17:41*	WG1729528
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*08/25/2021 17:41*	WG1729528

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	10.1		3.34	8.30	2	08/31/2021 23:31	WG1731359
C28-C36 Motor Oil Range	78.0		0.568	8.30	2	08/31/2021 23:31	WG1731359
(S) o-Terphenyl	*57.9*			*18.0-148*		*08/31/2021 23:31*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	08/27/2021 09:20	WG1730096

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	100		9.52	20.7	1	08/26/2021 15:13	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.103	1	08/27/2021 15:07	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*90.5*			*77.0-120*		*08/27/2021 15:07*	WG1729233

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		0.000499	0.00107	1	08/25/2021 18:00	WG1729528
Toluene	U		0.00139	0.00535	1	08/25/2021 18:00	WG1729528
Ethylbenzene	U		0.000788	0.00267	1	08/25/2021 18:00	WG1729528
Total Xylenes	U		0.000941	0.00695	1	08/25/2021 18:00	WG1729528
(S) Toluene-d8	*105*			*75.0-131*		*08/25/2021 18:00*	WG1729528
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*08/25/2021 18:00*	WG1729528
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*08/25/2021 18:00*	WG1729528

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	1.93	J	1.67	4.14	1	09/01/2021 21:11	WG1731359
C28-C36 Motor Oil Range	8.59		0.284	4.14	1	09/01/2021 21:11	WG1731359
(S) o-Terphenyl	*52.5*			*18.0-148*		*09/01/2021 21:11*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	08/27/2021 09:20	WG1730096

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	52.0		9.52	20.7	1	08/26/2021 15:23	WG1729560

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.103	1	08/27/2021 15:37	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*91.5*			*77.0-120*		*08/27/2021 15:37*	WG1729233

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		0.000500	0.00107	1	08/25/2021 18:19	WG1729528
Toluene	U		0.00139	0.00535	1	08/25/2021 18:19	WG1729528
Ethylbenzene	U		0.000788	0.00267	1	08/25/2021 18:19	WG1729528
Total Xylenes	U		0.000941	0.00695	1	08/25/2021 18:19	WG1729528
(S) Toluene-d8	*105*			*75.0-131*		*08/25/2021 18:19*	WG1729528
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*08/25/2021 18:19*	WG1729528
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*08/25/2021 18:19*	WG1729528

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		1.67	4.14	1	09/01/2021 20:57	WG1731359
C28-C36 Motor Oil Range	3.25	J	0.284	4.14	1	09/01/2021 20:57	WG1731359
(S) o-Terphenyl	*52.1*			*18.0-148*		*09/01/2021 20:57*	WG1731359

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	08/27/2021 09:20	WG1730096

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	48.4		9.47	20.6	1	08/26/2021 15:32	WG1729560

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		0.0223	0.103	1	08/27/2021 15:59	WG1729233
(S) a,a,a-Trifluorotoluene(FID)	*96.3*			*77.0-120*		*08/27/2021 15:59*	WG1729233

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		0.000494	0.00106	1	08/25/2021 18:37	WG1729528
Toluene	U		0.00137	0.00529	1	08/25/2021 18:37	WG1729528
Ethylbenzene	U		0.000779	0.00264	1	08/25/2021 18:37	WG1729528
Total Xylenes	U		0.000931	0.00687	1	08/25/2021 18:37	WG1729528
(S) Toluene-d8	*106*			*75.0-131*		*08/25/2021 18:37*	WG1729528
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*08/25/2021 18:37*	WG1729528
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*08/25/2021 18:37*	WG1729528

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		1.66	4.12	1	08/31/2021 23:17	WG1731359
C28-C36 Motor Oil Range	8.37		0.282	4.12	1	08/31/2021 23:17	WG1731359
(S) o-Terphenyl	*52.9*			*18.0-148*		*08/31/2021 23:17*	WG1731359

Method Blank (MB)

(MB) R3697573-1 08/27/21 13:50

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

L1393263-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-04 08/27/21 13:50 • (DUP) R3697573-3 08/27/21 13:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.7	92.6	1	0.962		10

Laboratory Control Sample (LCS)

(LCS) R3697573-2 08/27/21 13:50

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) R3697572-1 08/27/21 13:21

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1393263-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-05 08/27/21 13:21 • (DUP) R3697572-3 08/27/21 13:21

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.6	93.7	1	0.125		10

Laboratory Control Sample (LCS)

(LCS) R3697572-2 08/27/21 13:21

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) R3697571-1 08/27/21 13:14

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

L1393263-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-15 08/27/21 13:14 • (DUP) R3697571-3 08/27/21 13:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	93.6	1	1.94		10

Laboratory Control Sample (LCS)

(LCS) R3697571-2 08/27/21 13:14

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) R3697570-1 08/27/21 13:02

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

L1393263-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-34 08/27/21 13:02 • (DUP) R3697570-3 08/27/21 13:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.9	97.5	1	0.389		10

Laboratory Control Sample (LCS)

(LCS) R3697570-2 08/27/21 13:02

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) R3697588-1 08/27/21 09:20

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

L1393283-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1393283-03 08/27/21 09:20 • (DUP) R3697588-3 08/27/21 09:20

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.6	94.8	1	0.179		10

Laboratory Control Sample (LCS)

(LCS) R3697588-2 08/27/21 09:20

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) R3697313-3 08/26/21 12:37

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

L1393257-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1393257-08 08/26/21 13:32 • (DUP) R3697313-4 08/26/21 13:59

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	544	577	1	5.75		20

L1393257-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1393257-18 08/26/21 15:47 • (DUP) R3697313-5 08/26/21 15:56

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	436	423	1	2.93		20

Laboratory Control Sample (LCS)

(LCS) R3697313-2 08/26/21 12:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	197	98.7	90.0-110	

L1393257-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393257-18 08/26/21 15:47 • (MS) R3697313-6 08/26/21 16:05 • (MSD) R3697313-7 08/26/21 16:13

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 %
Chloride	500	436	941	857	101	84.3	1	80.0-120			9.29	20

Method Blank (MB)

(MB) R3696700-1 08/26/21 03:40

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

L1393263-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-10 08/26/21 04:59 • (DUP) R3696700-3 08/26/21 05:09

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	106	115	1	7.70		20

L1393263-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-20 08/26/21 07:48 • (DUP) R3696700-6 08/26/21 07:58

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	535	529	1	1.21		20

Laboratory Control Sample (LCS)

(LCS) R3696700-2 08/26/21 03:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	210	105	90.0-110	

L1393263-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393263-10 08/26/21 04:59 • (MS) R3696700-4 08/26/21 05:39 • (MSD) R3696700-5 08/26/21 05:49

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	534	106	657	660	103	104	1	80.0-120			0.444	20

Method Blank (MB)

(MB) R3697248-1 08/26/21 11:19

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

L1393263-32 Original Sample (OS) • Duplicate (DUP)

(OS) L1393263-32 08/26/21 14:16 • (DUP) R3697248-3 08/26/21 14:26

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	U	U	1	0.000		20

L1393283-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1393283-02 08/26/21 16:10 • (DUP) R3697248-4 08/26/21 16:20

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	259	252	1	2.59		20

Laboratory Control Sample (LCS)

(LCS) R3697248-2 08/26/21 11:29

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

L1393283-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393283-02 08/26/21 16:10 • (MS) R3697248-5 08/26/21 16:29 • (MSD) R3697248-6 08/26/21 16:39

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 %
Chloride	500	259	774	756	103	99.4	1	80.0-120			2.37	20

Method Blank (MB)

(MB) R3698435-2 08/25/21 01:05

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) R3698435-1 08/25/21 00:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.37	97.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

Method Blank (MB)

(MB) R3698481-2 08/27/21 07:27

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)	*92.5*			*77.0-120*

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

(LCS) R3698481-1 08/27/21 06:30 • (LCSD) R3698481-3 08/27/21 09:09

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 %
TPH (GC/FID) Low Fraction	5.50	5.23	5.31	95.1	96.5	72.0-127			1.52	20
(S) a,a,a-Trifluorotoluene(FID)				*99.1*	*111*	*77.0-120*				

Method Blank (MB)

(MB) R3696951-3 08/26/21 05:14

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	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*

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

(LCS) R3696951-1 08/26/21 03:57 • (LCSD) R3696951-2 08/26/21 04:17

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	0.117	96.0	93.6	70.0-123			2.53	20
Ethylbenzene	0.125	0.119	0.113	95.2	90.4	74.0-126			5.17	20
Toluene	0.125	0.118	0.111	94.4	88.8	75.0-121			6.11	20
Xylenes, Total	0.375	0.354	0.338	94.4	90.1	72.0-127			4.62	20
(S) Toluene-d8				*102*	*99.7*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*99.2*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*96.5*	*97.4*	*70.0-130*				

L1393263-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393263-13 08/26/21 12:36 • (MS) R3696951-4 08/26/21 12:55 • (MSD) R3696951-5 08/26/21 13:14

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	0.162	U	0.0892	0.122	55.2	75.6	1	10.0-149			31.2	37
Ethylbenzene	0.162	U	0.0897	0.122	55.5	75.4	1	10.0-160			30.4	38
Toluene	0.162	U	0.0884	0.117	54.7	72.2	1	10.0-156			27.6	38
Xylenes, Total	0.485	U	0.273	0.357	56.3	73.6	1	10.0-160			26.7	38
(S) Toluene-d8					*103*	*102*		*75.0-131*				
(S) 4-Bromofluorobenzene					*95.6*	*98.3*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*105*	*102*		*70.0-130*				

Method Blank (MB)

(MB) R3698587-3 08/26/21 01:35

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	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*

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

(LCS) R3698587-1 08/26/21 00:19 • (LCSD) R3698587-2 08/26/21 00:38

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	0.116	0.112	92.8	89.6	70.0-123			3.51	20
Ethylbenzene	0.125	0.122	0.118	97.6	94.4	74.0-126			3.33	20
Toluene	0.125	0.123	0.118	98.4	94.4	75.0-121			4.15	20
Xylenes, Total	0.375	0.371	0.360	98.9	96.0	72.0-127			3.01	20
(S) Toluene-d8				*108*	*108*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*105*	*105*	*70.0-130*				

L1393263-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393263-33 08/26/21 07:55 • (MS) R3698587-4 08/26/21 08:13 • (MSD) R3698587-5 08/26/21 08:32

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	0.131	U	0.0780	0.103	59.8	79.0	1	10.0-149			27.8	37
Ethylbenzene	0.131	U	0.0807	0.106	61.9	81.5	1	10.0-160			27.3	38
Toluene	0.131	U	0.0840	0.111	64.4	84.7	1	10.0-156			27.3	38
Xylenes, Total	0.392	U	0.242	0.333	61.8	84.9	1	10.0-160			31.5	38
(S) Toluene-d8					*107*	*109*		*75.0-131*				
(S) 4-Bromofluorobenzene					*98.1*	*99.9*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*98.6*	*99.2*		*70.0-130*				

Method Blank (MB)

(MB) R3697144-3 08/25/21 16:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*105*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

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

(LCS) R3697144-1 08/25/21 15:27 • (LCSD) R3697144-2 08/25/21 15:46

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	0.117	0.114	93.6	91.2	70.0-123			2.60	20
Ethylbenzene	0.125	0.118	0.116	94.4	92.8	74.0-126			1.71	20
Toluene	0.125	0.122	0.119	97.6	95.2	75.0-121			2.49	20
Xylenes, Total	0.375	0.368	0.362	98.1	96.5	72.0-127			1.64	20
(S) Toluene-d8				*106*	*106*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*111*	*111*	*70.0-130*				

L1393273-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393273-02 08/25/21 22:06 • (MS) R3697144-4 08/25/21 23:22 • (MSD) R3697144-5 08/25/21 23:41

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 %
Benzene	1.00	0.569	1.77	1.95	120	138	8	10.0-149			9.68	37
Ethylbenzene	1.00	2.49	7.18	7.75	469	526	8	10.0-160	J5	J5	7.64	38
Toluene	1.00	0.982	3.09	3.28	211	230	8	10.0-156	J5	J5	5.97	38
Xylenes, Total	3.00	8.05	23.2	24.8	505	558	8	10.0-160	J5	J5	6.67	38
(S) Toluene-d8					*108*	*106*		*75.0-131*				
(S) 4-Bromofluorobenzene					*103*	*99.9*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*103*	*105*		*70.0-130*				

Method Blank (MB)

(MB) R3699099-1 08/31/21 17:32

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	*67.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3699099-2 08/31/21 17:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	29.0	58.0	50.0-150	
(S) o-Terphenyl			*64.3*	*18.0-148*	

L1393263-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393263-17 08/31/21 21:04 • (MS) R3699099-3 08/31/21 21:18 • (MSD) R3699099-4 08/31/21 21:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	51.4	U	30.3	38.3	58.9	73.5	1	50.0-150		J3	23.3	20
(S) o-Terphenyl					*54.3*	*62.3*		*18.0-148*				

Method Blank (MB)

(MB) R3699050-1 08/31/21 19:06

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	*64.3*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3699050-2 08/31/21 19:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	40.1	80.2	50.0-150	
(S) o-Terphenyl			*64.4*	*18.0-148*	

L1393263-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1393263-21 08/31/21 23:45 • (MS) R3699050-3 08/31/21 23:59 • (MSD) R3699050-4 09/01/21 00:13

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	53.2	130	356	212	425	155	10	50.0-150	J5	J3 J5	50.8	20
(S) o-Terphenyl					*48.0*	*52.7*		*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
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.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Analysis Request of Chain of Custody Record

L1393263

Page : 1 of 4

Tetra Tech, Inc.

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

J019

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA CTB 1	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: 512-739-7874
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02508
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Dominguez

Comments: COPTETRA Acctnum

Cnt=39

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	BH-1 (0-1')	8/17/2021	1200		X				X			1	N	X		X												X						01
	BH-1 (2'-3')	8/17/2021	1205		X				X			1	N	X		X												X						02
	BH-1 (4'-5')	8/17/2021	1210		X				X			1	N	X		X												X						03
	BH-1 (6'-7')	8/17/2021	1215		X				X			1	N	X		X												X						04
	BH-1 (9'-10')	8/17/2021	1220		X				X			1	N	X		X												X						05
	BH-1 (14'-15')	8/17/2021	1225		X				X			1	N	X		X												X						06
	BH-1 (19'-20')	8/17/2021	1230		X				X			1	N	X		X												X						07
	BH-1 (24'-25')	8/17/2021	1235		X				X			1	N	X		X												X						08
	BH-1 (29'-30')	8/17/2021	1240		X				X			1	N	X		X												X						09
	BH-1 (34'-35')	8/17/2021	1245		X				X			1	N	X		X												X						10

Relinquished by:	Date: 8-19-21	Time: 13:00	Received by: Date: 8-19-21 Time: 13:00
Relinquished by:	Date: 8-19-21	Time: 16:30	Received by: Date: 8-19-21 Time: 14:30
Relinquished by:	Date:	Time:	Received by: T. Robertson Date: 8/20/21 Time: 800

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 #: _____

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		
RAD Screen <0.5 mR/hr:	Y N		

3.2-.1=3.1 A260

Analysis Request of Chain of Custody Record

L13932-3

Page : 2 of 4

Tetra Tech, Inc.

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

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA CTB 1	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: 512-739-7874
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02508
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Dominguez
Comments:	COPTETRA Acctnum		

Cnt=39 TB=0

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
	BH-2 (0-1')	8/17/2021	1300		X				X			1	N	X		X												X					-	11
	BH-2 (2'-3')	8/17/2021	1305		X				X			1	N	X		X												X					-	12
	BH-2 (4'-5')	8/17/2021	1310		X				X			1	N	X		X												X					-	13
	BH-2 (6'-7')	8/17/2021	1315		X				X			1	N	X		X												X					-	14
	BH-2 (9'-10')	8/17/2021	1320		X				X			1	N	X		X												X					-	15
	BH-2 (14'-15')	8/17/2021	1325		X				X			1	N	X		X												X					-	16
	BH-2 (19'-20')	8/17/2021	1330		X				X			1	N	X		X												X					-	17
	BH-2 (24'-25')	8/17/2021	1335		X				X			1	N	X		X												X					-	18
	BH-2 (29'-30')	8/17/2021	1340		X				X			1	N	X		X												X					-	19
	BH-2 (34'-35')	8/17/2021	1345		X				X			1	N	X		X												X					-	20

Relinquished by:	Date: 8-19-21	Time: 13:00	Received by: Date: 8-19-21 Time: 13:00
Relinquished by:	Date: 8-19-21	Time: 16:30	Received by: SWA Date: 8-19-21 Time: 16:35
Relinquished by:	Date:	Time:	Received by: T. Roberson Date: 8/20/21 Time: 800

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 #: _____

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		

3.2-.1=3.1 A260

Analysis Request of Chain of Custody Record

L1393263

Page 3 of 4

Tetra Tech, Inc.

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

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA CTB 1	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: 512-739-7874
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02508
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Dominguez

Comments: COPTETRA Acctnum CH=39 TB=2

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
	BH-3 (0-1')	8/17/2021	1400		X				X			1	N	X		X												X						-21
	BH-3 (2'-3')	8/17/2021	1405		X				X			1	N	X		X												X						-22
	BH-3 (4'-5')	8/17/2021	1410		X				X			1	N	X		X												X						-23
	BH-3 (6'-7')	8/17/2021	1415		X				X			1	N	X		X												X						-24
	BH-3 (9'-10')	8/17/2021	1420		X				X			1	N	X		X												X						-25
	BH-3 (14'-15')	8/17/2021	1425		X				X			1	N	X		X												X						-26
	BH-3 (19'-20')	8/17/2021	1430		X				X			1	N	X		X												X						-27
	AH-1 (0-1')	8/17/2021	1500		X				X			1	N	X		X												X						-28
	AH-1 (2'-3')	8/17/2021	1505		X				X			1	N	X		X												X						-29
	AH-2 (0-1')	8/17/2021	1510		X				X			1	N	X		X												X						-30

Relinquished by:	Date: 8/19/21	Time: 13:00	Received by: Date: 8-19-21 Time: 13:00
Relinquished by:	Date: 8-19-21	Time: 16:30	Received by: Date: 8-19-21 Time: 16:30
Relinquished by:	Date:	Time:	Received by: T. Robertson Date: 8/20/21 Time: 8:00

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 #: _____

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		

3.2-.153.10260

Analysis Request of Chain of Custody Record

L1393267

Page : 4 of 4

Tetra Tech, Inc.

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

Client Name:	Conoco Phillips	**Site Manager:**	Sam Abbott
Project Name:	MCA CTB 1	**Contact Info:**	Email: sam.abbott@tetratech.com Phone: 512-739-7874
Project Location: **(county, state)**	Lea County, New Mexico	**Project #:**	212C-MD-02508
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Devin Dominguez

Comments: COPTETRA Acctnum

Cht=3C TB=0

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
	AH-2 (2'-3')	8/17/2021	1515		X				X			1	N	X		X												X						-31
	AH-3 (0-1')	8/17/2021	1520		X				X			1	N	X		X												X						-32
	AH-3 (2'-3')	8/17/2021	1525		X				X			1	N	X		X												X						-33
	AH-4 (0-1')	8/17/2021	1530		X				X			1	N	X		X												X						-34
	AH-4 (2'-3')	8/17/2021	1535		X				X			1	N	X		X												X						-35
	AH-5 (0-1')	8/17/2021	1540		X				X			1	N	X		X												X						-36
	AH-5 (2'-3')	8/17/2021	1545		X				X			1	N	X		X												X						-37
	AH-6 (0-1')	8/17/2021	1550		X				X			1	N	X		X												X						-38
	AH-6 (2'-3')	8/17/2021	1555		X				X			1	N	X		X												X						-39

Relinquished by:	Date: 8-19-21	Time: 13:00	Received by: Date: 8-19-21 Time: 13:00
Relinquished by:	Date: 8-19-21	Time: 16:30	Received by: Date: 8-19-21 Time: 16:30
Relinquished by:	Date:	Time:	Received by: Date: 8/20/21 Time:

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		

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

80d

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 #: _____

3.2-153.1 D260

ANALYTICAL REPORT

October 04, 2021

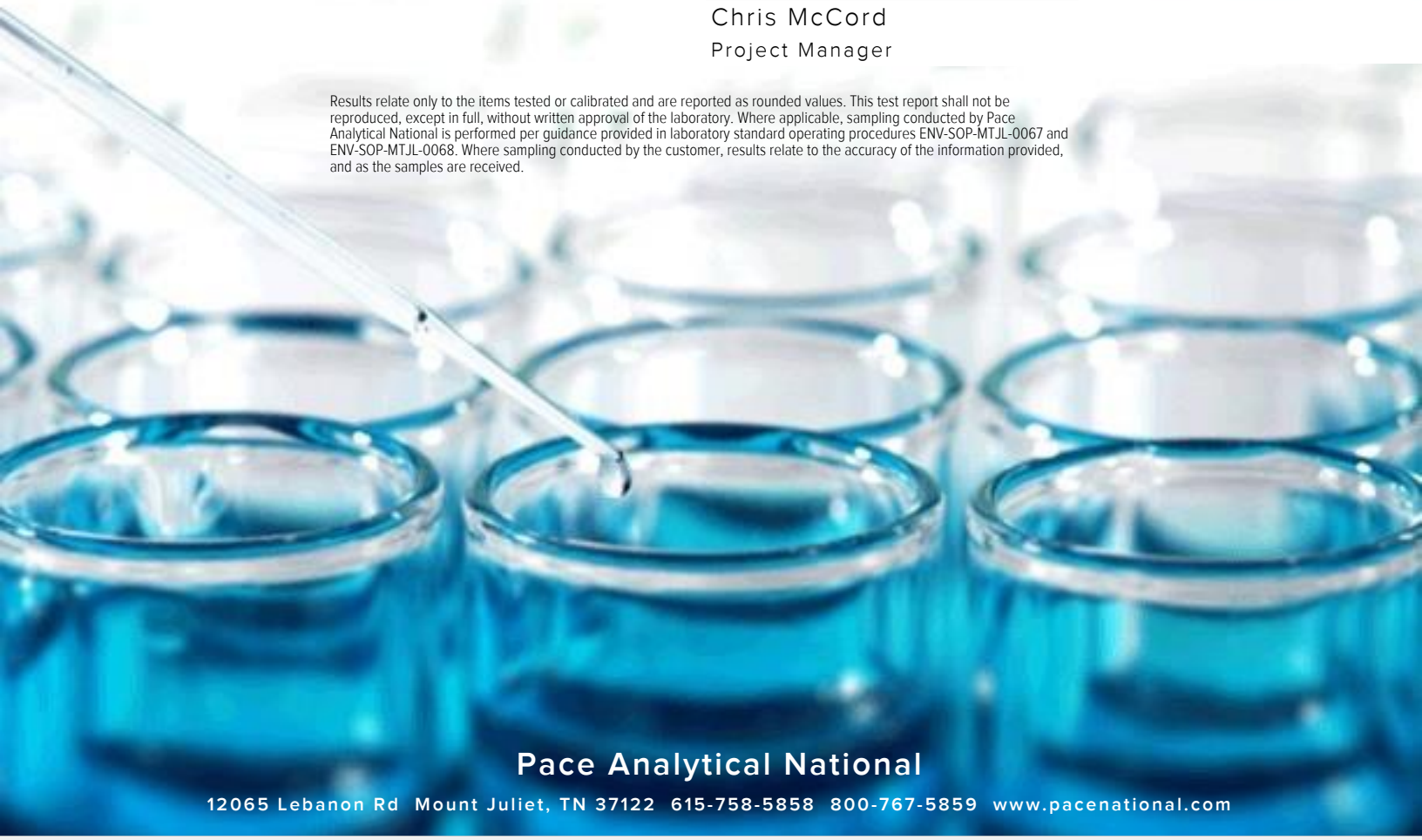
ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1407424
Samples Received:	09/22/2021
Project Number:	212C-MD-2508
Description:	MCA CTB 1
Site:	LEA COUNTY, NEW
Report To:	Christian Llull
	901 West Wall
	Suite 100
	Midland, TX 79701

Entire Report Reviewed By:

Chris McCord
Project Manager

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



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

TABLE OF CONTENTS

SAMPLE SUMMARY

AH-7 (0-1') L1407424-01 Solid

Collected by: Devin Dominguez
Collected date/time: 09/20/21 16:15
Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747729	1	09/29/21 18:13	09/29/21 18:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 19:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1748194	1	09/26/21 00:01	09/29/21 15:21	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746734	1	09/26/21 00:01	09/26/21 13:28	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	1	10/01/21 11:58	10/02/21 19:54	JN	Mt. Juliet, TN

AH-7 (2'-3') L1407424-02 Solid

Collected by: Devin Dominguez
Collected date/time: 09/20/21 16:20
Received date/time: 09/22/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1747729	1	09/29/21 18:13	09/29/21 18:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1748692	1	09/29/21 17:57	09/29/21 20:16	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1748194	1	09/26/21 00:01	09/29/21 15:44	JHH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1746734	1	09/26/21 00:01	09/26/21 13:48	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1749721	1	10/01/21 11:58	10/02/21 20:08	JN	Mt. Juliet, TN

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

Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	09/29/2021 18:22	WG1747729

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.8	J J6	11.4	24.8	1	09/29/2021 19:38	WG1748692

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0269	0.124	1	09/29/2021 15:21	WG1748194
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*09/29/2021 15:21*	WG1748194

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		0.000691	0.00148	1	09/26/2021 13:28	WG1746734
Toluene	U		0.00192	0.00740	1	09/26/2021 13:28	WG1746734
Ethylbenzene	U		0.00109	0.00370	1	09/26/2021 13:28	WG1746734
Total Xylenes	U		0.00130	0.00962	1	09/26/2021 13:28	WG1746734
(S) Toluene-d8	*103*			*75.0-131*		*09/26/2021 13:28*	WG1746734
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/26/2021 13:28*	WG1746734
(S) 1,2-Dichloroethane-d4	*82.1*			*70.0-130*		*09/26/2021 13:28*	WG1746734

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		2.00	4.96	1	10/02/2021 19:54	WG1749721
C28-C36 Motor Oil Range	6.69		0.340	4.96	1	10/02/2021 19:54	WG1749721
(S) o-Terphenyl	*33.5*			*18.0-148*		*10/02/2021 19:54*	WG1749721

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	09/29/2021 18:22	WG1747729

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	12.7	J	11.2	24.4	1	09/29/2021 20:16	WG1748692

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0265	0.122	1	09/29/2021 15:44	WG1748194
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*		*09/29/2021 15:44*	WG1748194

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	0.000674	0.00144	1	09/26/2021 13:48	WG1746734
Toluene	U	J3	0.00188	0.00721	1	09/26/2021 13:48	WG1746734
Ethylbenzene	U	J3	0.00106	0.00361	1	09/26/2021 13:48	WG1746734
Total Xylenes	U	J3	0.00127	0.00938	1	09/26/2021 13:48	WG1746734
(S) Toluene-d8	*101*			*75.0-131*		*09/26/2021 13:48*	WG1746734
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/26/2021 13:48*	WG1746734
(S) 1,2-Dichloroethane-d4	*92.7*			*70.0-130*		*09/26/2021 13:48*	WG1746734

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	2.00	J	1.97	4.88	1	10/02/2021 20:08	WG1749721
C28-C36 Motor Oil Range	17.0		0.335	4.88	1	10/02/2021 20:08	WG1749721
(S) o-Terphenyl	*49.4*			*18.0-148*		*10/02/2021 20:08*	WG1749721

Method Blank (MB)

(MB) R3710594-1 09/29/21 18:22

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

L1407381-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1407381-01 09/29/21 18:22 • (DUP) R3710594-3 09/29/21 18:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	86.7	87.8	1	1.20		10

Laboratory Control Sample (LCS)

(LCS) R3710594-2 09/29/21 18:22

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

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

Method Blank (MB)

(MB) R3710902-1 09/29/21 18:39

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

L1407424-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1407424-01 09/29/21 19:38 • (DUP) R3710902-3 09/29/21 19:48

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	13.8	13.5	1	2.24	J	20

L1409196-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1409196-03 09/29/21 23:07 • (DUP) R3710902-6 09/29/21 23:17

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	15.0	14.1	1	6.12	J	20

Laboratory Control Sample (LCS)

(LCS) R3710902-2 09/29/21 18:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	199	99.3	90.0-110	

L1407424-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1407424-01 09/29/21 19:38 • (MS) R3710902-4 09/29/21 19:57 • (MSD) R3710902-5 09/29/21 20:07

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	620	13.8	480	522	75.2	82.0	1	80.0-120	J6		8.38	20

Method Blank (MB)

(MB) R3710285-2 09/29/21 10:34

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)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3710285-1 09/29/21 09:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.62	102	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

Method Blank (MB)

(MB) R3709810-3 09/26/21 08:23

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	*97.2*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*83.6*			*70.0-130*

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

(LCS) R3709810-1 09/26/21 07:01 • (LCSD) R3709810-2 09/26/21 07:22

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	0.123	96.0	98.4	70.0-123			2.47	20
Ethylbenzene	0.125	0.104	0.101	83.2	80.8	74.0-126			2.93	20
Toluene	0.125	0.120	0.116	96.0	92.8	75.0-121			3.39	20
Xylenes, Total	0.375	0.358	0.361	95.5	96.3	72.0-127			0.834	20
(S) Toluene-d8				*101*	*96.3*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*102*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*98.3*	*97.8*	*70.0-130*				

L1407424-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1407424-02 09/26/21 13:48 • (MS) R3709810-4 09/26/21 18:13 • (MSD) R3709810-5 09/26/21 18:33

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	0.180	U	0.196	0.134	109	74.2	1	10.0-149		J3	37.9	37
Ethylbenzene	0.180	U	0.186	0.109	103	60.2	1	10.0-160		J3	52.6	38
Toluene	0.180	U	0.196	0.131	109	72.5	1	10.0-156		J3	40.1	38
Xylenes, Total	0.541	U	0.618	0.418	114	77.3	1	10.0-160		J3	38.4	38
(S) Toluene-d8					*97.9*	*101*		*75.0-131*				
(S) 4-Bromofluorobenzene					*103*	*101*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*94.0*	*94.1*		*70.0-130*				

Method Blank (MB)

(MB) R3711653-1 10/02/21 02:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	*61.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3711653-2 10/02/21 02:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	34.4	68.8	50.0-150	
(S) o-Terphenyl			*61.1*	*18.0-148*	

L1407434-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1407434-01 10/02/21 21:56 • (MS) R3711653-3 10/02/21 22:10 • (MSD) R3711653-4 10/02/21 22:23

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	59.0	U	32.2	39.2	54.5	66.8	1	50.0-150			19.6	20
(S) o-Terphenyl					*39.7*	*50.6*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
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.

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.

B055

Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

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

L1407124

Client Name: ConocoPhillips	Site Manager: Christian Llull
Project Name: MCA CTB 1	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-02533 Task 100
Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701	
Receiving Laboratory: Pace Analytical	Sampler Signature: Devin Dominguez
Comments: COPTETRA Acctnum	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2021)	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 Sulfate TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
-01	AH-7 (0-1')	9/20/2021	1615		X				X			1	N	X		X												X							
-02	AH-7 (2'-3')	9/20/2021	1620		X				X			1	N	X		X												X							

Sample Receipt Checklist

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

Relinquished by:	Date: 9/21/21	Time: 900	Received by:	Date: 9/22/21 Time: 945
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received by:	Date: Time:

LAB USE ONLY

Sample Temperature 2-6+0=26 AB0+

REMARKS:

- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

B055

Analysis Request of Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

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

1407424

Client Name: ConocoPhillips	Site Manager: Christian Llull
Project Name: MCA CTB 1	
Project Location: (county, state) Lea County, New Mexico	Project #: 212C-MD-2508 ~~212C-MD-02533 Task 188~~
Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701	
Receiving Laboratory: Pace Analytical	Sampler Signature: Devin Dominguez
Comments: COPTETRA Acctnum	

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: None	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	Chloride	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R			Hold
-01	AH-7 (0-1')	9/20/2021	1615		X				X			1	N	X		X												X									
-02	AH-7 (2'-3')	9/20/2021	1620		X				X			1	N	X		X												X									

Sample Receipt Checklist

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

Relinquished by:	Date: 9/21/21	Time: 900	Received by: Date: 9/22/21 Time: 945
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 2-6to=2.6 A3o+

REMARKS:

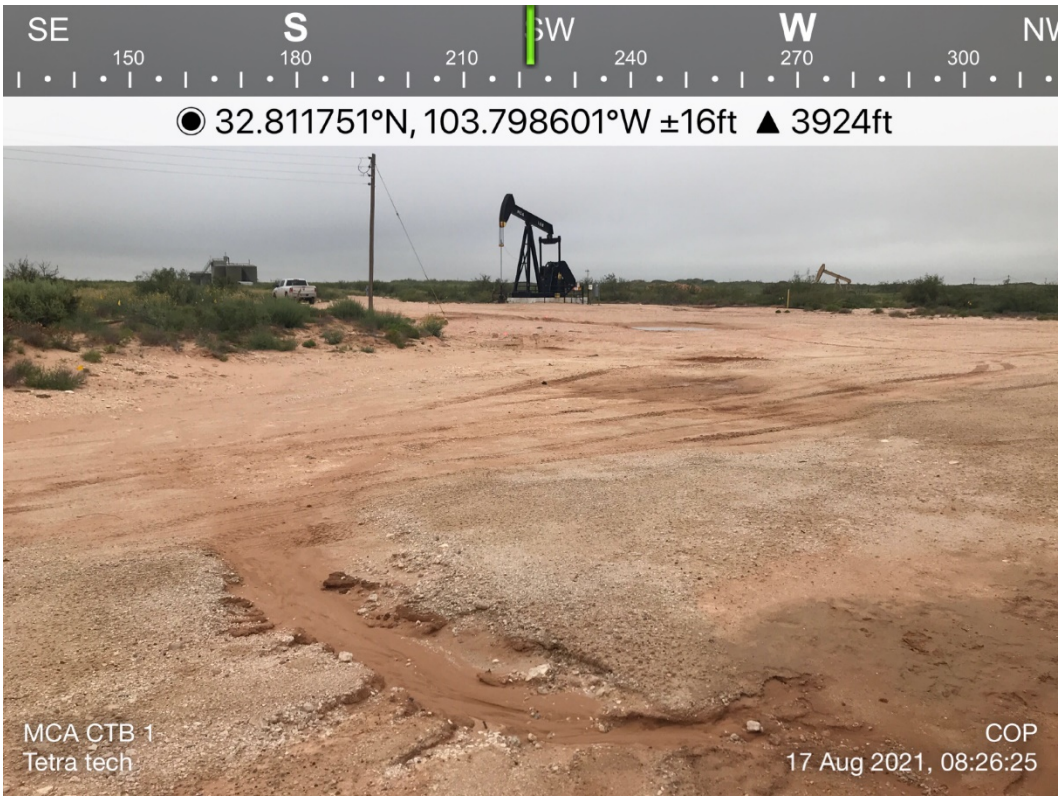
- [X] STANDARD
- [ ] RUSH: Same Day 24 hr 48 hr 72 hr
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

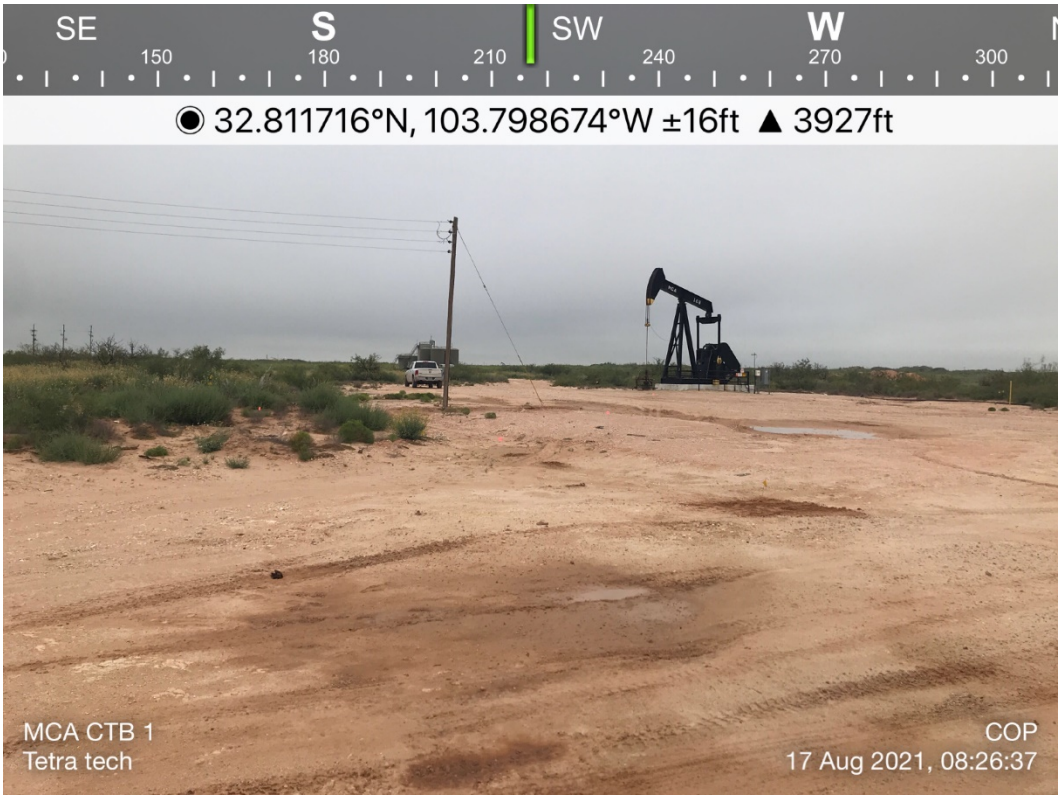
ORIGINAL COPY

APPENDIX E
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View northeast towards the central tank battery. Approximate release point and area.	1
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View southwest from the release point of. Release area, lease road and lease pad.	2
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021



TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View southwest. Release area, lease road and lease pad.	3
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View south southwest. Release footprint and lease pad. Standing water from recent rains.	4
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View northeast. Release area, lease road and lease pad.	5
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View east northeast. Release area, lease road, and lease pad.	6
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View east southeast. Release area and lease pad.	7
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021

TETRA TECH, INC. PROJECT NO. 212C-MD-02508	DESCRIPTION	View east. Release area, lease pad and lease road.	8
	SITE NAME	ConocoPhillips Central Tank Battery #1 Release	8/17/2021

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

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 55184
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	11/17/2021