TETRA TECH

January 5, 2021

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

Re: Release Characterization and Deferral Request
ConocoPhillips
Santa Fe #135 Wellhead Release
Unit Letter L, Section 31, Township 17 South, Range 35 East
Lea County, New Mexico
1RP-1030 / nPAC0625530179

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from the Santa Fe #135 (API No. 30-025-32438) wellhead. The release site coordinates are 32.789054°, -103.50287°, located in the Public Land Survey System (PLSS) Unit Letter L, Section 31, Township 17 South, Range 35 East, Lea County, New Mexico (Site). The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report (Appendix A), the release occurred on September 5, 2006. The release occurred due to misalignment of the pumping unit which caused a stuffing box packing failure and resulted in the discharge of 5 barrels (bbls) of oil and 47 bbls of produced water to the ground surface. According to the C-141, the release affected a total of approximately 25,200 square feet (sf), including 10,800 sf of rain-soaked caliche well pad, 10,800 sf of rain-soaked black soil/caliche rock, and 3,600 sf of rain-soaked black soil/caliche rock pasture (with no cows present). During the initial response, 3 bbls of oil and 37 bbls of water were recovered. The NMOCD approved the initial C-141 on September 12, 2006 and assigned the Site the Remediation Permit (RP) number 1RP-1030 and Incident ID nPAC0625530179.

SITE CHARACTERIZATION

A site characterization was performed and per 19.15.29.12 NMAC, no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances and the Site is in a low karst potential area. A playa lake is located approximately 1,100 feet (ft) northeast of the release location. The Site is within a New Mexico oil and gas production area.

According to the New Mexico Office of the State Engineer (NMOSE) well database, there are 9 wells located within 800 meters (approximately ½ mile) of the release location. The average depth to groundwater documented is 110 ft below ground surface (bgs). Site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action

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

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, the RRALs for the Site are as follows:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO + ORO): 2,500 mg/kg;
- GRO + DRO: 1,000 mg/kg;
- TPH (0-4 ft bgs): 100 mg/kg;
- Chlorides: 20,000 mg/kg;
- Chlorides (0-4 ft bgs): 600 mg/kg.

INITIAL RESPONSE AND HISTORY OF SITE DEVELOPMENT

Per 19.15.29.8 B (4) NMAC, the responsible party may commence remediation immediately after discovery of a release. According to the C-141, free fluids were recovered with a vacuum truck and the top layer of contaminated soil was scraped from the release footprint during initial response.

Tetra Tech reviewed available historical aerial imagery to gauge the efficacy of the initial response activities, given the age of the release. Two unvegetated caliche pad-type areas and one Chevron lease pad (API No. 30-025-33722) adjacent to the Santa Fe #135 lease pad were observed in the vicinity of the release footprint in aerial imagery prior to the release date. These features are present in aerial imagery from 2003 to the present (the most recent aerial imagery available is dated November 2017).

Post-release aerial imagery from 2009 shows potential evidence of disturbed soils and/or possible remediation actions taken near the release Site footprint, to the east and southeast of the wellhead. A new Chevron lease pad (API No. 30-025-40467) appears in 2014 aerial imagery in the pasture area between the two original well pads, overtopping the disturbed soils that were noted in 2009 imagery. A detailed Site map showing the production development areas in the release vicinity (using 2009 imagery) is presented as Figure 3. Photographs from a site visit conducted in July 2020 are included in Appendix C.

SITE ASSESSMENT

Based on the dimensions provided in the C-141 and existing site topography, the release extent was identified as extending southeast off of the Santa Fe #135 lease pad into the pasture, in the area later covered by the newer Chevron well (API No. 30-025-40467). Tetra Tech was onsite on September 1, 2020 to conduct soil sampling to achieve vertical and horizontal delineation of the release extent.

A total of seven (7) soil borings (BH-1 through BH-7) were installed using an air rotary drilling rig to depths ranging from 8 to 25 ft bgs to evaluate the vertical and horizontal extents of the release area. Borings BH-1 and BH-6 were installed within the release extent footprint to achieve vertical delineation. Borings BH-2 through BH-5 and BH-7 were installed outside of the perimeter of the reported release area and vicinity. Boring logs, included as Appendix D, present soil descriptions, sample depths and field screening data from the site assessment.

A total of thirty-five (35) samples were submitted to Pace Analytical National Center for Testing & Innovation in Nashville, Tennessee to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. The approximate release extent and soil boring locations are shown on Figure 4.

SUMMARY OF SAMPLING RESULTS

The results of the sampling event in September 2020 are summarized in Table 1. The analytical results associated with the uppermost two samples (0-1 ft bgs and 2-3 ft bgs) from borings BH-1 and BH-6 exceeded the proposed reclamation (0-4 ft bgs) RRALs of 600 mg/kg for chloride and 100 mg/kg for TPH. These borings were located on production pad areas. All analytical results associated with the remaining

Site boring locations were below the proposed RRALs for all constituents. Therefore, vertical and horizontal delineation was achieved during the September 2020 assessment efforts. A copy of the analytical laboratory report and chain-of-custody documentation are included in Appendix E.

CONCLUSION

ConocoPhillips respectfully requests that NMOCD will consider delaying remediation activities at the Site until the end of life of the production wells. At the time of abandonment, retrofit, or inactivity, remediation will be completed in addition to reclamation. Based on the results of the site assessment, ConocoPhillips considers the current release footprint to be fully delineated.

The legacy contamination is located in areas immediately under and around production lease pads and does not cause an imminent risk to human health, the environment, or groundwater. Final remediation and reclamation 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.

Based on the above, ConocoPhillips requests deferral for this release. The completed C-141 forms are enclosed in Appendix A. If you have any questions or comments concerning the assessment activities for this site, please call us at either (512) 338-2861 or (432) 682-4559.

Sincerely,
Tetra Tech, Inc.

Christian M. Llull, P.G.
Project Manager

Greg W. Pope, P.G.
Program Manager

cc:
Mr. Marvin Soriwei, RMR – ConocoPhillips
Mr. Charles Beauvais, GPBU - ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Site Location/Overview Map
- Figure 2 – Site Location/Topographic Map
- Figure 3 – Approximate Release Extent (2009 Imagery)
- Figure 4 – Site Assessment and Sampling Locations

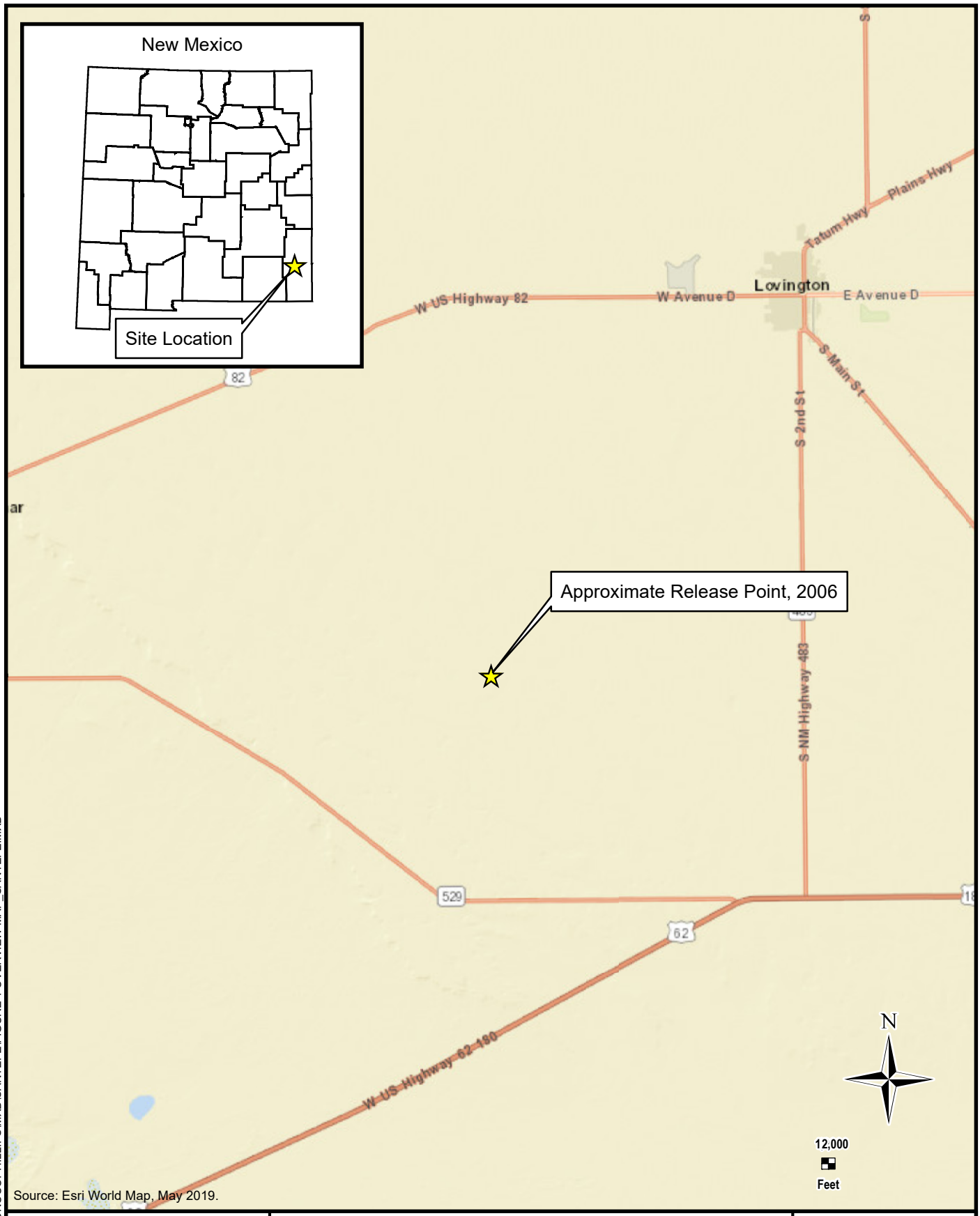
Tables:

- Table 1 – Summary of Analytical Results –Site Assessment

Appendices:

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

FIGURES



Source: Esri World Map, May 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\SANTEFE\FIGURE 1 OVERVIEW MAP_SANTEFE.MXD

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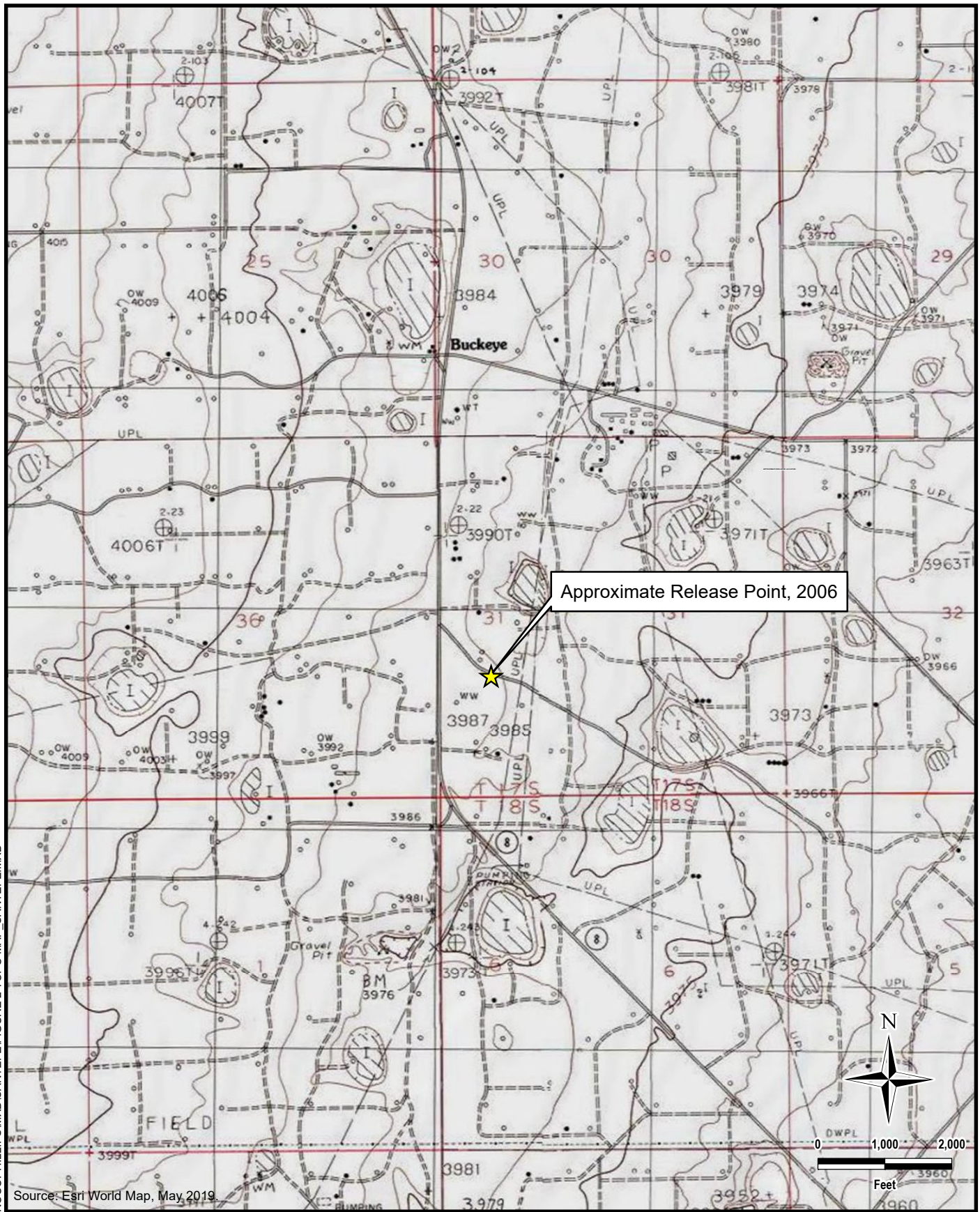
CONOCOPHILLIPS

1RP-1030
(32.789057°, -103.502777°)
LEA COUNTY, NEW MEXICO

SANTA FE #135 WELLHEAD RELEASE
OVERVIEW MAP

PROJECT NO.:	212C-MD-02194
DATE:	AUGUST 14, 2020
DESIGNED BY:	AAM

Figure No.
1



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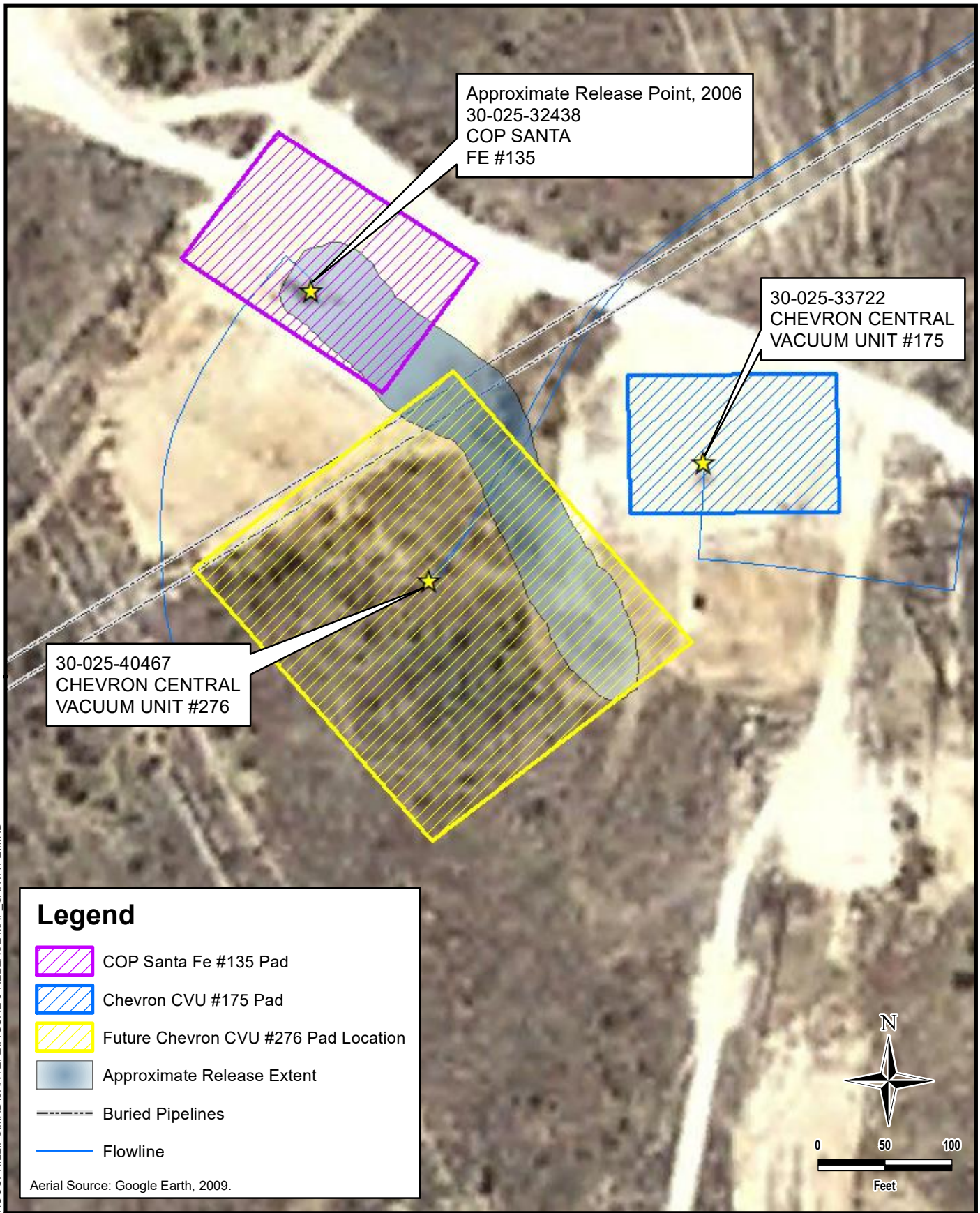
CONOCOPHILLIPS

1RP-1030
(32.789057°, -103.502777°)
LEA COUNTY, NEW MEXICO

SANTA FE #135 WELLHEAD RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02194
DATE:	AUGUST 14, 2020
DESIGNED BY:	AAM

Figure No.
2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\SANTEFE\FIGURE 3 RELEASE MAP_SANTA FE.MXD

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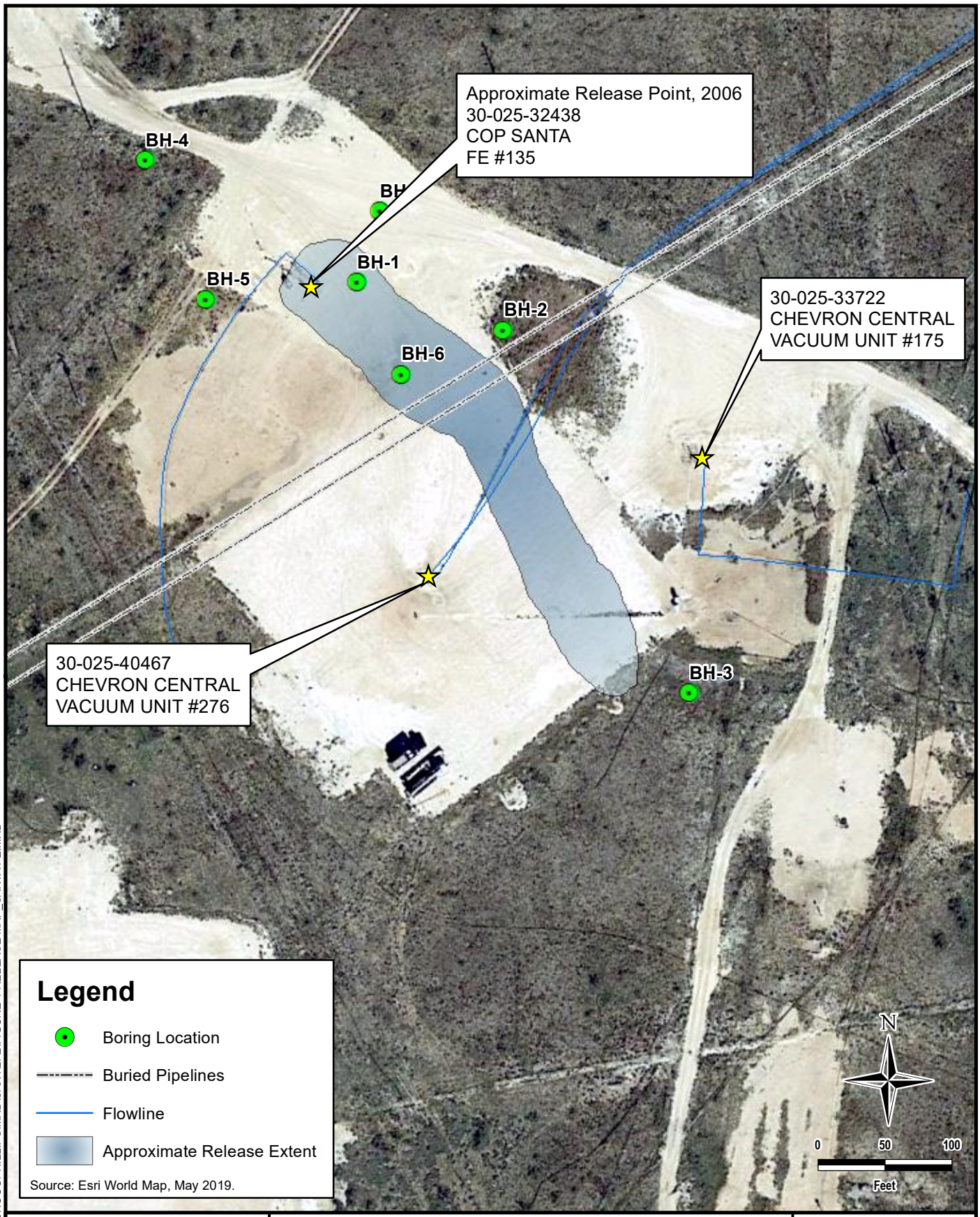
CONOCOPHILLIPS

1RP-1030
(32.789057°, -103.502777°)
LEA COUNTY, NEW MEXICO

SANTA FE #135 WELLHEAD RELEASE
APPROXIMATE RELEASE EXTENT (2009 IMAGERY)

PROJECT NO.:	212C-MD-02194
DATE:	DECEMBER 17, 2020
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\SANTEFE\FIGURE 4 RELEASE MAP_SANTA FE.MXD

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CONOCOPHILLIPS

1RP-1030
(32.789057°, -103.502777°)
LEA COUNTY, NEW MEXICO

SANTA FE #135 WELLHEAD RELEASE
SITE ASSESSMENT AND SAMPLING LOCATIONS

PROJECT NO.:	212C-MD-02194
DATE:	DECEMBER 17, 2020
DESIGNED BY:	AAM

Figure No.
4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - 1RP-1030
CONOCOPHILLIPS
SANTA FE #135 STUFFING BOX RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1]		BTEX[2]										TPH[3]							
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[4]		DRO		ORO		Total TPH (GRO+DRO+ORO)	
			Chloride	PID													C_3 - C_{10}		C_{10} - C_{28}		C_{28} - C_{40}			
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
BH-1	9/1/2020	0-1	2060	-	***1640***		< 0.00103	J4	< 0.00516		< 0.00258		0.00766		0.00766		0.0283	B J	81.5		297		***379***	
		2-3	974	-	***1020***		< 0.00113	J4	< 0.00556		< 0.00283		0.00170	J	0.00170		0.0258	B J	6.84		28.3		35.2	
		4-5	261	-	90.7		< 0.00109	J4	< 0.00546		< 0.00273		< 0.00709		-		< 0.105		< 4.18		0.862	B J	0.862	
		6-7	133	-	47.1		< 0.00108	J4	< 0.00539		< 0.00269		< 0.00700		-		0.0259	B J	< 4.15		0.805	B J	0.831	
		9-10	85	-	21.5		< 0.00105	J4	< 0.00523		< 0.00261		< 0.00680		-		< 0.102		< 4.09		1.02	B J	1.02	
		14-15	102	-	29.2		< 0.00107	J4	< 0.00535		< 0.00267		< 0.00695		-		< 0.105		< 4.14		0.532	B J	0.532	
BH-2	9/1/2020	0-1	83	-	27.8		< 0.00103	J4	< 0.00513		< 0.00257		0.00149	J	0.00149		1.34	B J	5.35		22.3		29.0	
		2-3	75	-	30.7		< 0.00108	J4	< 0.00540		< 0.00270		< 0.00701		-		< 0.104		1.81	J	3.14	B J	4.95	
		4-5	230	-	34.8		< 0.00109	J4	< 0.00546		< 0.00273		< 0.00709		-		0.0664	J	2.82	J	2.34	B J	5.23	
		7-8	82	-	20.9	J	< 0.00115	J4	< 0.00574		< 0.00287		< 0.00746		-		< 0.107		< 4.30		0.532	B J	0.532	
BH-3	9/1/2020	0-1	-	-	20.9	J	< 0.00110	J4	< 0.00548		< 0.00274		0.00164	J	0.00164		< 0.105		5.51		18.3		23.8	
		2-3	120	-	10.5	J	< 0.00103	J4	< 0.00516		< 0.00258		< 0.00671		-		0.0349	J	2.70	J	6.60		9.33	
		4-5	39	-	10.5	J	< 0.00119	J4	< 0.00595		< 0.00297		< 0.00773		-		0.0380	J	< 4.38		0.301	B J	0.339	
		6-7	42	-	19.7	J	< 0.00107	J4	< 0.00536		< 0.00268		< 0.00697		-		0.0255	J	< 4.14		0.398	B J	0.424	
		9-10	-	-	552		< 0.00112	J4	< 0.00559		< 0.00280		< 0.00727		-		< 0.106		2.31	J	< 4.24		2.31	
BH-4	9/1/2020	0-1	99	-	11.6	J	< 0.00106	J4	< 0.00530		< 0.00265		< 0.00689		-		< 0.103		3.83	J	23.3		27.1	
		2-3	78	-	10.3	J	< 0.00108		< 0.00539		< 0.00269		< 0.00700		-		0.0789	J	2.11	J	8.40		10.6	
		4-5	200	-	79.3		< 0.00112		< 0.00560		< 0.00280		< 0.00728		-		0.0271	J	< 4.24		< 4.24		0.0271	
		7-8	220	-	976		< 0.00113		< 0.00564		< 0.00282		< 0.00734		-		0.0538	J	1.89	J	< 4.26		1.94	
BH-5	9/1/2020	0-1	278	-	31.7		< 0.00102		< 0.00512		< 0.00256		< 0.00666		-		< 0.102		7.29		34.3		41.6	
		2-3	103	-	85.2	J3	< 0.00104		< 0.00520		< 0.00260		0.00141	J	0.00141		0.0549	J	2.55	J	5.30		7.90	
		4-5	62	-	48.9		< 0.00102		< 0.00509		< 0.00254		< 0.00661		-		0.0412	J	4.29		13.9		18.2	
		7-8	85	-	14.3	J	< 0.00113		< 0.00563		< 0.00282		< 0.00732		-		0.0344	J	2.02	J	< 4.25		2.05	
BH-6	9/1/2020	0-1	1450	-	***712***		< 0.00111		< 0.00555		< 0.00278		0.00142	J	0.00142		0.0421	J	1430		1330		***2760***	
		2-3	284	-	219		< 0.00112		< 0.00558		< 0.00279		0.00106	J	0.00106		< 0.106		252		212		***464***	
		4-5	649	-	652		< 0.00107		< 0.00537		< 0.00268		< 0.00698		-		< 0.104		4.19		4.21		8.40	
		6-7	1350	-	1230		< 0.00112		< 0.00559		< 0.00279		< 0.00726		-		< 0.106		< 4.23		< 4.23		-	
		9-10	101	-	306		< 0.00108		< 0.00539		< 0.00269		< 0.00700		-		< 0.104		< 4.15		< 4.15		-	
		14-15	69	-	24.4		< 0.00107		< 0.00535		< 0.00267		< 0.00695		-		< 0.103		2.05	J	< 4.14		2.05	
		19-20	120	-	79.6		< 0.00123		< 0.00616		< 0.00308		< 0.00801		-		< 0.112		3.28	J	2.21	B J	5.49	
		24-25	40	-	35.1		< 0.00124		< 0.00621		< 0.00310		< 0.00807		-		< 0.112		< 4.48		< 4.48		-	
BH-7	9/1/2020	0-1	312	-	16.8	J	< 0.00103		< 0.00514		< 0.00257		< 0.00669		-		< 0.101		21.9		31.4		53.3	
		2-3	-	-	302		< 0.00106		< 0.00531		< 0.00266		< 0.00690		-		< 0.103		6.89		6.19		13.1	
		4-5	76	-	35.1		< 0.00148		< 0.00740		< 0.00370		< 0.00962		-		< 0.124		< 4.96		< 4.96		-	
		7-8	86	-	289		< 0.00109		< 0.00546		< 0.00273		< 0.00709		-		< 0.105		< 4.18		3.02	B J	3.02	

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

Bold and italicized values indicate exceedance of proposed RRALs

1 EPA Method 300.0

2 EPA Method 8260B

3 EPA Method 8015

4 EPA Method 8015D/GRO

QUALIFIERS:

B The same analyte was found in the associated blank.

J The identification of the analyte is acceptable; the reported value is an estimate.

APPENDIX A
C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **ConocoPhillips Company**	Contact **Kenneth N. Andersen**
Address **4001 Penbrook, Odessa, TX 79762-5917**	Telephone No. **505.391.3158**
Facility Name **Santa Fe # 135**	Facility Type **Oil and Gas**

Surface Owner **State of new Mexico**	Mineral Owner **State of New Mexico**	Lease No **NM-015221**

LOCATION OF RELEASE

API# 3002532438 0000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	**31**	**17S**	**35E**	**1743**	**S**	**808**	**W**	**Lea Co.**

Latitude 32.789054N **Longitude -103.50287W**

NATURE OF RELEASE

Type of Release **Produced oil & water**	Volume of Release 52 bbl (5 oil, 47 water)	Volume Recovered (3 oil, 37 water)
Source of Release **Wellhead stuffing box packing**	Date and Hour of Occurrence **09/05/2006 0230hrs**	Date and Hour of Discovery **09/05/2006 1030hrs**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Pat Caperton NMOCD**	
By Whom? **Ken Andersen**	Date and Hour **09/06/2006 1715hrs**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Stuffing box packing failure due to pumping unit misalignment. Realign pumping unit and repack stuffing box.

10800 3600

Describe Area Affected and Cleanup Action Taken.*
180'X60' of rain soaked caliche wellhead pad, 180'X60' of rain soaked black soil/caliche rock, & 60'X60' of rain soaked black soil/caliche rock pasture with no cows present. Picked up the free standing fluid which consisted mostly of rain water and scraped off the top layer of contaminated soil. The spill site will be delineated and remediated in accordance with NMOCD guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Kenneth N. Andersen

Printed Name: **Kenneth N. Andersen**

Title: **HSER PSM Lead**

E-mail Address: **ken.n.andersen@conocophillips.com**

Date: **09/07/2006** Phone: **505.391.3158**

OIL CONSERVATION DIVISION

Approved by District ~~Supervisor:~~ ENVIRONMENTAL ENGR

Approval Date: 9.12.06 Expiration Date: 11.6.06

Conditions of Approval:
SUBMIT DELINEATION SAMPLES & PLAN OF ACTION

Attached ☐

- Attach Additional Sheets If Necessary

incident - nPAC0625530179
application - pPAC0625530382

RP# 1030

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	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: Bradford Billings Date: _____

APPENDIX B
Site Characterization Data

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

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

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

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 04247 POD5		L	LE	3	1	3	31	17S	35E	640040	3628781	191	235	95	140
L 04247 POD7		L	LE	1	3	3	31	17S	35E	640054	3628747	202		240	
L 04247 POD6	R	L	LE	2	1	3	31	17S	35E	640299	3629074	208	232	117	115
L 04247 POD8		L	LE	2	1	3	31	17S	35E	640299	3629077	212	270	60	210
L 05288		L	LE		4	4	36	17S	34E	639760	3628552*	552	231	90	141
L 05288	R	L	LE		4	4	36	17S	34E	639760	3628552*	552	231	90	141
L 07119		L	LE	1	1	1	06	18S	35E	640068	3628255*	650	233	95	138
L 07119 S		L	LE	1	2	1	06	18S	35E	640445	3628259*	681	233	95	138
L 02722 S5		L	LE	2	2	2	01	18S	34E	639866	3628246*	726	232		

Average Depth to Water: **110 feet**

Minimum Depth: **60 feet**

Maximum Depth: **240 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 640195 **Northing (Y):** 3628893.305 **Radius:** 800

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

Karst Potential

Santa Fe #135

Legend

- Approximate Release Location
- High
- Low
- Medium

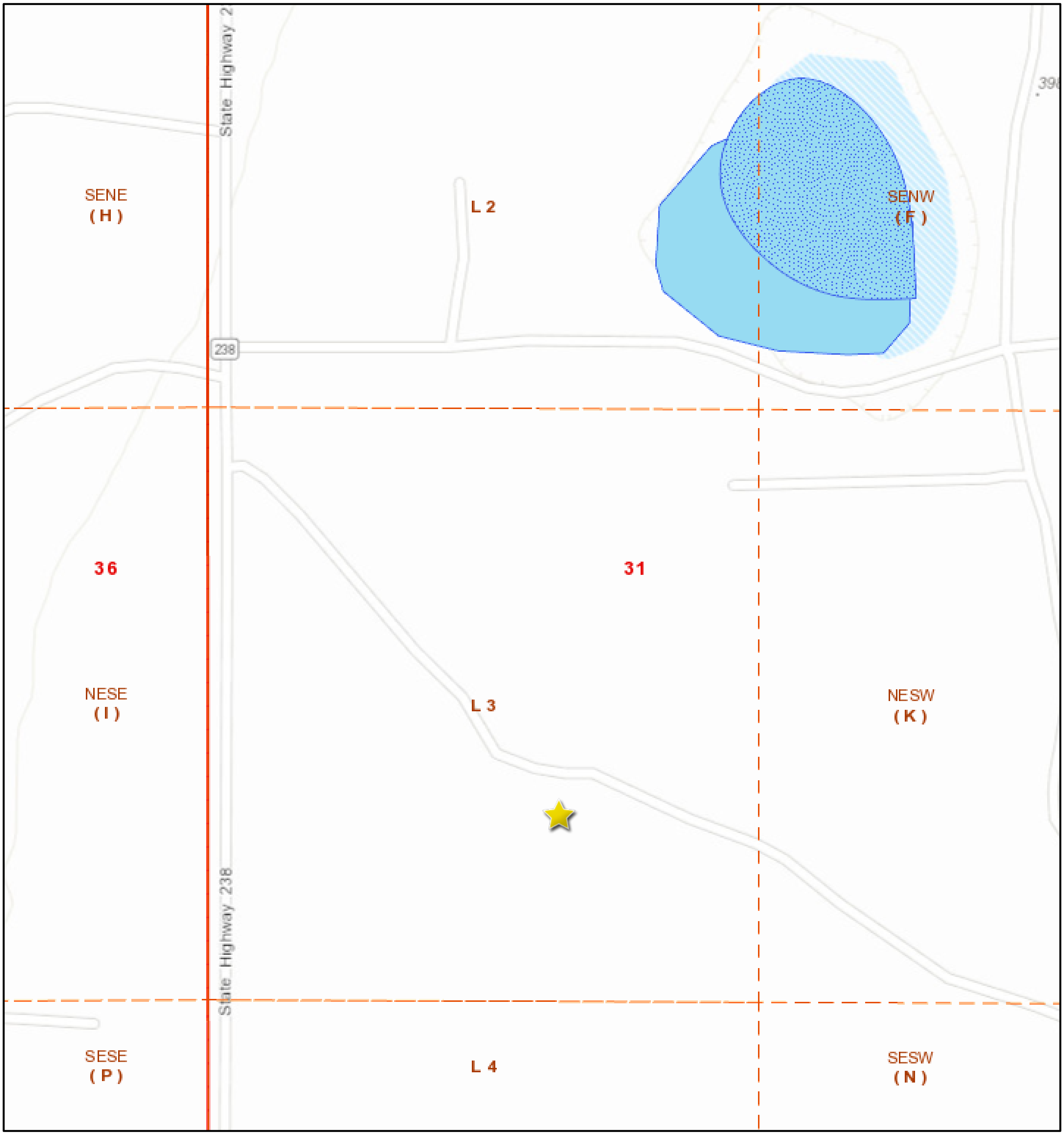
32.789054, -103.50287

Google Earth

N

40 mi

Water Bodies



8/17/2020, 11:56:18 AM

Approx. Release Location

OCD District Offices

PLSS First Division

PLSS Second Division

PLJV Probable Playas

OSE Water-bodies

OSE Streams

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, OCD, BLM

New Mexico Oil Conservation Division

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

APPENDIX C
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View west. Wellhead.	1
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View southwest. Wellhead and Former Caliche Area - Pre 1996	2
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

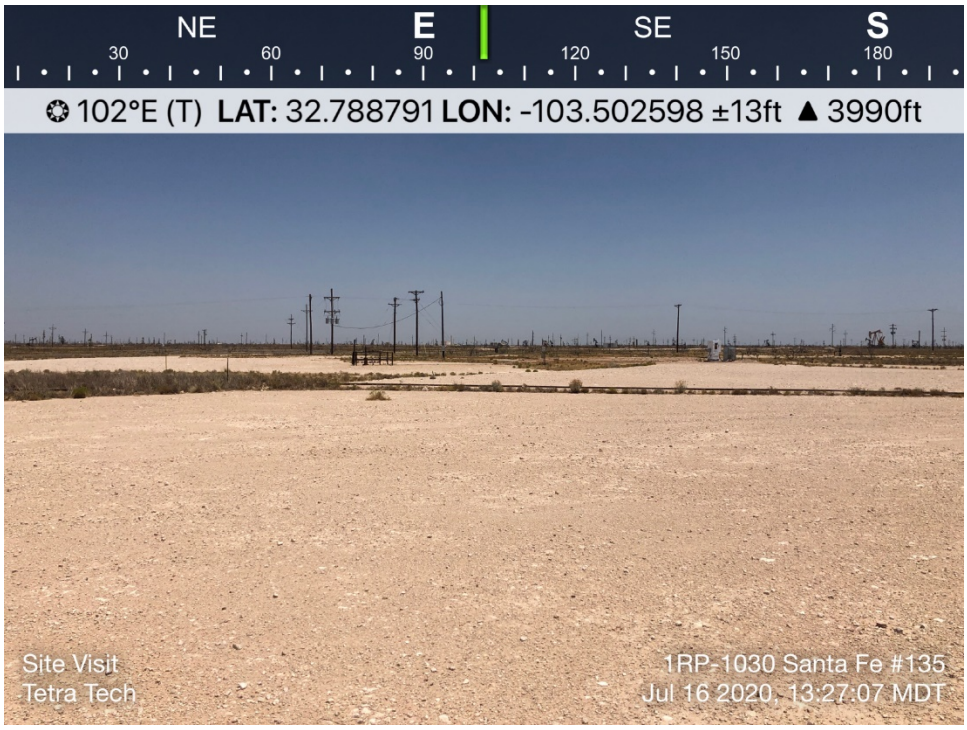
TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View west-southwest. Former Caliche Area - Pre 1996	3
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View south-southeast. Chevron Central Vacuum Unit #276 (API# 30-025-40467) and flowline crossing estimated release extent.	4
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View southeast. Chevron Central Vacuum Unit #276 (API# 30-025-40467) and flowlines.	5
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View northwest. Wellhead and staining along estimated release extent.	6
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View east-northeast. Staining along estimated release extent.	7
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02194	DESCRIPTION	View east. Chevron Central Vacuum Unit #175 (API# 30-025-33722) and flowlines for Chevron Central Vacuum Unit #276 (API# 30-025-40467) across estimate release extent.	8
	SITE NAME	Santa Fe #135 Wellhead Release	7/16/2020

APPENDIX D
Soil Boring Logs

212C-MD-02194 | TETRA TECH | **LOG OF BORING BH-1** | Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.789067°, -103.502663° | Surface Elevation: 3989 ft

Borehole Number: BH-1 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
		2060		-- CALICHE: Off-white to light tan, hard, dry.	1	BH-1 (0-1')
		974		-- MUDSTONE: Dark gray, hard, friable, with some caliche.	4	BH-1 (2-3')
5		261		-- CALICHE: Off-white to light tan, hard, dry, friable. Grading to SILTY SAND, dense.		BH-1 (4-5')
		133			9	BH-1 (6-7')
10		85		-- CALICHE: White, hard, dry. Grading to SILTY SAND, dense, well cemented.	14	BH-1 (9-10')
15		102		-- CALICHE: White to light tan, hard, dry, occasionally soft.	15	BH-1 (14-15')

Bottom of borehole at 15.0 feet.

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

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

Notes: Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02194	TETRA TECH	**LOG OF BORING BH-2**	Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.788966°, -103.502307° | Surface Elevation: 3989 ft

Borehole Number: BH-2 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
			83									**-SM-** SILTY SAND: Brown, hard, dry, with white caliche and trace chert.	1	BH-2 (0-1')
												-- CALICHE: White and light tan, hard, dry. Grading to SILTY SAND, dense, well cemented.		
			75											BH-2 (2-3')
5			230									-- Occasionally chalky @4-8' bgs.		BH-2 (4-5')
			82										8	BH-2 (7-8')

Bottom of borehole at 8.0 feet.

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

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

Notes:

Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02194	TETRA TECH	**LOG OF BORING BH-3**	Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.788192°, -103.501865° | Surface Elevation: 3989 ft

Borehole Number: BH-3 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
			120									**-SM-** SILTY SAND: Gray, loose, dry, with white caliche material.	2	BH-3 (0-1')
			39									-- CALICHE: White to light gray, hard, dry. Grading to SILTY SAND, dense, well cemented.	4	BH-3 (2-3')
5			42									-- CALICHE: Off-white to light tan, loose, dry. Grading to SILTY SAND, mod. cemented.		BH-3 (4-5')
														BH-3 (6-7')
10													10	BH-3 (9-10')

Bottom of borehole at 10.0 feet.

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

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

Notes:

Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02194	TETRA TECH	**LOG OF BORING BH-4**	Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.789318°, -103.503175° | Surface Elevation: 3989 ft

Borehole Number: BH-4 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
			99									-- MUDSTONE: Brown, dense, dry, friable, with white caliche.	2	BH-4 (0-1')
			78									-- CALICHE: Light gray to white, hard, dry. Grading to SILTY SAND, dense, well cemented.	4	BH-4 (2-3')
5			200									-- CALICHE: Light tan, hard, dry. Grading to SILTY SAND, dense, well cemented		BH-4 (4-5')
			220										8	BH-4 (7-8')

Bottom of borehole at 8.0 feet.

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

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

Notes:

Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02194	TETRA TECH	**LOG OF BORING BH-5**	Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.789034°, -103.503032° | Surface Elevation: 3989 ft

Borehole Number: BH-5 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
			278									-- MUDSTONE: Brown, dense, dry, friable, with white caliche.	2	BH-5 (0-1')
			103									-- CALICHE: Off-white, hard, dry. Grading to SILTY SAND, dense, well cemented.	4	BH-5 (2-3')
5			62									-- CHERT: Gray, very hard, dry.		BH-5 (4-5')
			85										8	BH-5 (7-8')

Bottom of borehole at 8.0 feet.

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

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

Notes:

Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02194	TETRA TECH	**LOG OF BORING BH-6**	Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.788878°, -103.502558° | Surface Elevation: 3988 ft

Borehole Number: BH-6 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
			1450									-- CALICHE: Gray, hard, dry.		BH-6 (0-1')
			284											BH-6 (2-3')
													4	
5			649									-- CALICHE: Light tan, hard, dry. Grading to SILTY SAND, dense, well cemented.		BH-6 (4-5')
													6	
			1350									-- CALICHE: Light tan, soft, dry, friable.		BH-6 (6-7')
10			101									-- Off-white from @9-10' bgs.		BH-6 (9-10')
15			69											BH-6 (14-15')
20			120											BH-6 (19-20')
25			40										25	BH-6 (24-25')

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

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

Notes:

Bottom of borehole at 25.0 feet.

Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

212C-MD-02194	TETRA TECH	**LOG OF BORING BH-7**	Page 1 of 1

Project Name: SANTA FE #135 WELLHEAD RELEASE

Borehole Location: 32.789212°, -103.502609° | Surface Elevation: 3989 ft

Borehole Number: BH-7 | Borehole Diameter (in.): 5 | Date Started: 9/1/2020 | Date Finished: 9/1/2020

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
			312									-- MUDSTONE: Brown, dense, dry, friable, with some loose, dry, off-white caliche.		BH-7 (0-1')
														BH-7 (2-3')
													4	
5			76									-- CALICHE: Off-white, hard, dry, occasionally chalky.		BH-7 (4-5')
			86									-- Trace chert.	8	BH-7 (7-8')

Bottom of borehole at 8.0 feet.

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

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

Notes:

Surface elevation is an estimated value based on Google Earth. Laboratory analytical sample IDs and intervals are shown in the "Remarks" column.

Logger: John Thurston | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling

APPENDIX E
Laboratory Analytical Data

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 17, 2020

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1258570
Samples Received:	09/04/2020
Project Number:	212C-MD-02194
Description:	Sante Fe #135 Stuffing Box Release

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.

BH-1 (0-1) L1258570-01 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	5	09/09/20 16:43	09/09/20 18:08	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1540695	1	09/09/20 18:15	09/10/20 17:14	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 02:18	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1541337	1	09/09/20 18:15	09/11/20 13:05	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542349	5	09/12/20 07:18	09/13/20 13:04	TJD	Mt. Juliet, TN

BH-1 (2-3) L1258570-02 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	5	09/09/20 16:43	09/09/20 18:26	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1540695	1	09/09/20 18:15	09/10/20 17:35	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 02:36	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1541337	1	09/09/20 18:15	09/11/20 13:25	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542349	1	09/12/20 07:18	09/13/20 12:38	TJD	Mt. Juliet, TN

BH-1 (4-5) L1258570-03 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 18:36	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1540695	1	09/09/20 18:15	09/10/20 18:26	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 02:55	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542349	1	09/12/20 07:18	09/13/20 12:01	TJD	Mt. Juliet, TN

BH-1 (6-7) L1258570-04 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 18:45	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1540695	1	09/09/20 18:15	09/10/20 19:11	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 03:14	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542349	1	09/12/20 07:18	09/13/20 12:13	TJD	Mt. Juliet, TN

BH-1 (9-10) L1258570-05 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 18:55	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1540695	1	09/09/20 18:15	09/10/20 19:31	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 03:33	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 12:07	TJD	Mt. Juliet, TN

BH-1 (14-15) L1258570-06 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 19:04	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1540695	1.01	09/09/20 18:15	09/10/20 19:52	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 03:52	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 12:20	TJD	Mt. Juliet, TN

BH-2 (0-1) L1258570-07 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 19:14	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1543188	25	09/09/20 18:15	09/15/20 13:25	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 04:11	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1541337	1	09/09/20 18:15	09/11/20 13:45	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 21:34	TJD	Mt. Juliet, TN

BH-2 (2-3) L1258570-08 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541932	1	09/15/20 09:57	09/15/20 10:08	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 19:42	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541031	1	09/09/20 18:15	09/11/20 02:38	AV	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 04:29	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 12:33	TJD	Mt. Juliet, TN

BH-2 (4-5) L1258570-09 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 20:11	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 00:09	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 04:48	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 14:23	TJD	Mt. Juliet, TN

BH-2 (7-8) L1258570-10 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 20:20	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 00:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 05:07	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 12:47	TJD	Mt. Juliet, TN

BH-3 (0-1) L1258570-11 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 20:30	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 00:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 05:25	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1541337	1	09/09/20 18:15	09/11/20 14:05	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 14:36	TJD	Mt. Juliet, TN

BH-3 (2-3) L1258570-12 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 20:39	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 01:11	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 05:44	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 14:49	TJD	Mt. Juliet, TN

BH-3 (4-5) L1258570-13 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 20:49	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 01:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 06:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 13:00	TJD	Mt. Juliet, TN

BH-3 (6-7) L1258570-14 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 20:58	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 01:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 06:22	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 13:13	TJD	Mt. Juliet, TN

BH-3 (9-10) L1258570-15 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 21:08	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 02:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 06:41	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 13:27	TJD	Mt. Juliet, TN

BH-4 (0-1) L1258570-16 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 21:46	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 02:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540455	1	09/09/20 18:15	09/10/20 06:59	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 22:01	TJD	Mt. Juliet, TN

BH-4 (2-3) L1258570-17 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 21:55	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 02:55	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 18:15	09/10/20 01:19	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 15:03	TJD	Mt. Juliet, TN

BH-4 (4-5) L1258570-18 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541933	1	09/15/20 09:48	09/15/20 09:55	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 22:05	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 18:15	09/11/20 03:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 18:15	09/10/20 01:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 13:40	TJD	Mt. Juliet, TN

BH-4 (7-8) L1258570-19 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 22:14	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1.01	09/09/20 18:15	09/11/20 03:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 18:15	09/10/20 01:59	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 13:53	TJD	Mt. Juliet, TN

BH-5 (0-1) L1258570-20 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539749	1	09/09/20 16:43	09/09/20 22:24	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1.01	09/09/20 18:15	09/11/20 03:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 18:15	09/10/20 02:19	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 21:48	TJD	Mt. Juliet, TN

Cp
Tc
Ss
Cn
Sr
Qc
Gl
Al
Sc

BH-5 (2-3) L1258570-21 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	1	09/10/20 14:06	09/10/20 18:52	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 19:30	09/11/20 04:17	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 02:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 11:27	TJD	Mt. Juliet, TN

BH-5 (4-5) L1258570-22 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	1	09/10/20 14:06	09/10/20 19:11	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 19:30	09/11/20 04:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 02:59	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 15:29	TJD	Mt. Juliet, TN

BH-5 (7-8) L1258570-23 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	1	09/10/20 14:06	09/10/20 19:20	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 19:30	09/11/20 04:59	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 03:19	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	1	09/13/20 23:26	09/14/20 14:09	TJD	Mt. Juliet, TN

BH-6 (0-1) L1258570-24 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	1	09/10/20 14:06	09/10/20 19:49	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541159	1	09/09/20 19:30	09/11/20 05:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 03:38	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	10	09/13/20 23:26	09/14/20 16:36	TJD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1541824	20	09/13/20 23:26	09/14/20 22:22	TJD	Mt. Juliet, TN

BH-6 (2-3) L1258570-25 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	1	09/10/20 14:06	09/10/20 19:58	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 01:06	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 03:58	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	5	09/14/20 07:31	09/14/20 20:04	JN	Mt. Juliet, TN

BH-6 (4-5) L1258570-26 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	1	09/10/20 14:06	09/10/20 20:27	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 01:28	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 04:18	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 17:05	JN	Mt. Juliet, TN

BH-6 (6-7) L1258570-27 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1540149	5	09/10/20 14:06	09/10/20 20:36	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 01:51	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 04:38	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 16:40	JN	Mt. Juliet, TN

BH-6 (9-10) L1258570-28 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541934	1	09/15/20 09:39	09/15/20 09:46	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/09/20 23:40	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 02:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 04:58	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 16:27	JN	Mt. Juliet, TN

BH-6 (14-15) L1258570-29 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/09/20 23:51	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 02:36	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 05:18	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 17:18	JN	Mt. Juliet, TN

BH-6 (19-20) L1258570-30 Solid

Collected by: John Thurston | Collected date/time: 09/01/20 00:00 | Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/10/20 00:00	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 02:58	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 05:38	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 17:43	JN	Mt. Juliet, TN

BH-6 (24-25) L1258570-31 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/10/20 00:10	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 03:20	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 05:58	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 17:31	JN	Mt. Juliet, TN

BH-7 (0-1) L1258570-32 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/10/20 00:19	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 03:42	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 06:18	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 19:00	JN	Mt. Juliet, TN

BH-7 (2-3) L1258570-33 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/10/20 00:48	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 04:05	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 06:38	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 19:26	JN	Mt. Juliet, TN

BH-7 (4-5) L1258570-34 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/10/20 00:57	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 04:27	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 06:58	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542341	1	09/14/20 07:31	09/14/20 17:56	JN	Mt. Juliet, TN

BH-7 (7-8) L1258570-35 Solid

Collected by: John Thurston
Collected date/time: 09/01/20 00:00
Received date/time: 09/04/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1541935	1	09/15/20 08:43	09/15/20 09:25	KDW	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1539346	1	09/09/20 16:04	09/10/20 01:07	MSP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1541187	1	09/09/20 19:30	09/11/20 04:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1540478	1	09/09/20 19:30	09/10/20 07:18	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1542342	1	09/13/20 23:28	09/14/20 07:53	JN	Mt. Juliet, TN

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

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	98.5		1	09/15/2020 10:08	WG1541932

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	1640		46.7	102	5	09/09/2020 18:08	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0283	B J	0.0220	0.102	1	09/10/2020 17:14	WG1540695
(S) a,a,a-Trifluorotoluene(FID)	*88.8*			*77.0-120*		*09/10/2020 17:14*	WG1540695

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	J4	0.000482	0.00103	1	09/10/2020 02:18	WG1540455
Toluene	U		0.00134	0.00516	1	09/10/2020 02:18	WG1540455
Ethylbenzene	U		0.000760	0.00258	1	09/10/2020 02:18	WG1540455
Total Xylenes	0.00766		0.000907	0.00670	1	09/11/2020 13:05	WG1541337
(S) Toluene-d8	*102*			*75.0-131*		*09/10/2020 02:18*	WG1540455
(S) Toluene-d8	*111*			*75.0-131*		*09/11/2020 13:05*	WG1541337
(S) 4-Bromofluorobenzene	*113*			*67.0-138*		*09/10/2020 02:18*	WG1540455
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/11/2020 13:05*	WG1541337
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 02:18*	WG1540455
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*09/11/2020 13:05*	WG1541337

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	81.5		8.18	20.3	5	09/13/2020 13:04	WG1542349
C28-C40 Oil Range	297		1.39	20.3	5	09/13/2020 13:04	WG1542349
(S) o-Terphenyl	*70.4*			*18.0-148*		*09/13/2020 13:04*	WG1542349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.8		1	09/15/2020 10:08	WG1541932

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	1020		49.0	107	5	09/09/2020 18:26	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0258	B J	0.0231	0.107	1	09/10/2020 17:35	WG1540695
(S) a,a,a-Trifluorotoluene(FID)	*88.9*			*77.0-120*		*09/10/2020 17:35*	WG1540695

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	J4	0.000529	0.00113	1	09/10/2020 02:36	WG1540455
Toluene	U		0.00147	0.00566	1	09/10/2020 02:36	WG1540455
Ethylbenzene	U		0.000835	0.00283	1	09/10/2020 02:36	WG1540455
Total Xylenes	0.00170	J	0.000997	0.00736	1	09/11/2020 13:25	WG1541337
(S) Toluene-d8	*99.4*			*75.0-131*		*09/10/2020 02:36*	WG1540455
(S) Toluene-d8	*111*			*75.0-131*		*09/11/2020 13:25*	WG1541337
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/10/2020 02:36*	WG1540455
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/11/2020 13:25*	WG1541337
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/10/2020 02:36*	WG1540455
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*09/11/2020 13:25*	WG1541337

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.84		1.72	4.26	1	09/13/2020 12:38	WG1542349
C28-C40 Oil Range	28.3		0.292	4.26	1	09/13/2020 12:38	WG1542349
(S) o-Terphenyl	*73.6*			*18.0-148*		*09/13/2020 12:38*	WG1542349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	09/15/2020 10:08	WG1541932

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	90.7		9.62	20.9	1	09/09/2020 18:36	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	09/10/2020 18:26	WG1540695
(S) a,a,a-Trifluorotoluene(FID)	*89.5*			*77.0-120*		*09/10/2020 18:26*	WG1540695

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	J4	0.000510	0.00109	1	09/10/2020 02:55	WG1540455
Toluene	U		0.00142	0.00546	1	09/10/2020 02:55	WG1540455
Ethylbenzene	U		0.000804	0.00273	1	09/10/2020 02:55	WG1540455
Total Xylenes	U		0.000960	0.00709	1	09/10/2020 02:55	WG1540455
(S) Toluene-d8	*96.6*			*75.0-131*		*09/10/2020 02:55*	WG1540455
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*09/10/2020 02:55*	WG1540455
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 02:55*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.68	4.18	1	09/13/2020 12:01	WG1542349
C28-C40 Oil Range	0.862	B J	0.286	4.18	1	09/13/2020 12:01	WG1542349
(S) o-Terphenyl	*85.0*			*18.0-148*		*09/13/2020 12:01*	WG1542349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	09/15/2020 10:08	WG1541932

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	47.1		9.56	20.8	1	09/09/2020 18:45	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0259	B J	0.0225	0.104	1	09/10/2020 19:11	WG1540695
(S) a,a,a-Trifluorotoluene(FID)	*89.5*			*77.0-120*		*09/10/2020 19:11*	WG1540695

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	J4	0.000503	0.00108	1	09/10/2020 03:14	WG1540455
Toluene	U		0.00140	0.00539	1	09/10/2020 03:14	WG1540455
Ethylbenzene	U		0.000794	0.00269	1	09/10/2020 03:14	WG1540455
Total Xylenes	U		0.000948	0.00700	1	09/10/2020 03:14	WG1540455
(S) Toluene-d8	*98.6*			*75.0-131*		*09/10/2020 03:14*	WG1540455
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*09/10/2020 03:14*	WG1540455
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/10/2020 03:14*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

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	4.15	1	09/13/2020 12:13	WG1542349
C28-C40 Oil Range	0.805	B J	0.285	4.15	1	09/13/2020 12:13	WG1542349
(S) o-Terphenyl	*76.2*			*18.0-148*		*09/13/2020 12:13*	WG1542349

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.8		1	09/15/2020 10:08	WG1541932

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	21.5		9.41	20.5	1	09/09/2020 18:55	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0222	0.102	1	09/10/2020 19:31	WG1540695
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*09/10/2020 19:31*	WG1540695

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	J4	0.000488	0.00105	1	09/10/2020 03:33	WG1540455
Toluene	U		0.00136	0.00523	1	09/10/2020 03:33	WG1540455
Ethylbenzene	U		0.000771	0.00261	1	09/10/2020 03:33	WG1540455
Total Xylenes	U		0.000920	0.00680	1	09/10/2020 03:33	WG1540455
(S) Toluene-d8	*100*			*75.0-131*		*09/10/2020 03:33*	WG1540455
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*09/10/2020 03:33*	WG1540455
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 03:33*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.65	4.09	1	09/14/2020 12:07	WG1541824
C28-C40 Oil Range	1.02	B J	0.280	4.09	1	09/14/2020 12:07	WG1541824
(S) o-Terphenyl	*74.8*			*18.0-148*		*09/14/2020 12:07*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	09/15/2020 10:08	WG1541932

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	29.2		9.52	20.7	1	09/09/2020 19:04	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1.01	09/10/2020 19:52	WG1540695
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*09/10/2020 19:52*	WG1540695

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	J4	0.000499	0.00107	1	09/10/2020 03:52	WG1540455
Toluene	U		0.00139	0.00535	1	09/10/2020 03:52	WG1540455
Ethylbenzene	U		0.000788	0.00267	1	09/10/2020 03:52	WG1540455
Total Xylenes	U		0.000941	0.00695	1	09/10/2020 03:52	WG1540455
(S) Toluene-d8	*99.9*			*75.0-131*		*09/10/2020 03:52*	WG1540455
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*09/10/2020 03:52*	WG1540455
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/10/2020 03:52*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

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	09/14/2020 12:20	WG1541824
C28-C40 Oil Range	0.532	B J	0.284	4.14	1	09/14/2020 12:20	WG1541824
(S) o-Terphenyl	*65.3*			*18.0-148*		*09/14/2020 12:20*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.7		1	09/15/2020 10:08	WG1541932

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	27.8		9.32	20.3	1	09/09/2020 19:14	WG1539749

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	1.34	B J	0.557	2.57	25	09/15/2020 13:25	WG1543188
(S) a,a,a-Trifluorotoluene(FID)	*97.4*			*77.0-120*		*09/15/2020 13:25*	WG1543188

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	J4	0.000479	0.00103	1	09/10/2020 04:11	WG1540455
Toluene	U		0.00133	0.00513	1	09/10/2020 04:11	WG1540455
Ethylbenzene	U		0.000756	0.00257	1	09/10/2020 04:11	WG1540455
Total Xylenes	0.00149	J	0.000903	0.00667	1	09/11/2020 13:45	WG1541337
(S) Toluene-d8	*100*			*75.0-131*		*09/10/2020 04:11*	WG1540455
(S) Toluene-d8	*108*			*75.0-131*		*09/11/2020 13:45*	WG1541337
(S) 4-Bromofluorobenzene	*111*			*67.0-138*		*09/10/2020 04:11*	WG1540455
(S) 4-Bromofluorobenzene	*97.1*			*67.0-138*		*09/11/2020 13:45*	WG1541337
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/10/2020 04:11*	WG1540455
(S) 1,2-Dichloroethane-d4	*91.5*			*70.0-130*		*09/11/2020 13:45*	WG1541337

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.35		1.63	4.05	1	09/14/2020 21:34	WG1541824
C28-C40 Oil Range	22.3		0.278	4.05	1	09/14/2020 21:34	WG1541824
(S) o-Terphenyl	*72.3*			*18.0-148*		*09/14/2020 21:34*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	09/15/2020 10:08	WG1541932

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	30.7		9.56	20.8	1	09/09/2020 19:42	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0226	0.104	1	09/11/2020 02:38	WG1541031
(S) a,a,a-Trifluorotoluene(FID)	*94.9*			*77.0-120*		*09/11/2020 02:38*	WG1541031

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	J4	0.000504	0.00108	1	09/10/2020 04:29	WG1540455
Toluene	U		0.00140	0.00540	1	09/10/2020 04:29	WG1540455
Ethylbenzene	U		0.000795	0.00270	1	09/10/2020 04:29	WG1540455
Total Xylenes	U		0.000950	0.00701	1	09/10/2020 04:29	WG1540455
(S) Toluene-d8	*99.1*			*75.0-131*		*09/10/2020 04:29*	WG1540455
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/10/2020 04:29*	WG1540455
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 04:29*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.81	J	1.67	4.16	1	09/14/2020 12:33	WG1541824
C28-C40 Oil Range	3.14	B J	0.285	4.16	1	09/14/2020 12:33	WG1541824
(S) o-Terphenyl	*65.5*			*18.0-148*		*09/14/2020 12:33*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	09/15/2020 09:55	WG1541933

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	34.8		9.62	20.9	1	09/09/2020 20:11	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0664	J	0.0227	0.105	1	09/11/2020 00:09	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*09/11/2020 00:09*	WG1541159

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	J4	0.000510	0.00109	1	09/10/2020 04:48	WG1540455
Toluene	U		0.00142	0.00546	1	09/10/2020 04:48	WG1540455
Ethylbenzene	U		0.000804	0.00273	1	09/10/2020 04:48	WG1540455
Total Xylenes	U		0.000960	0.00709	1	09/10/2020 04:48	WG1540455
(S) Toluene-d8	*99.7*			*75.0-131*		*09/10/2020 04:48*	WG1540455
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/10/2020 04:48*	WG1540455
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/10/2020 04:48*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.82	J	1.68	4.18	1	09/14/2020 14:23	WG1541824
C28-C40 Oil Range	2.34	B J	0.286	4.18	1	09/14/2020 14:23	WG1541824
(S) o-Terphenyl	*66.3*			*18.0-148*		*09/14/2020 14:23*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.1		1	09/15/2020 09:55	WG1541933

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	20.9	J	9.88	21.5	1	09/09/2020 20:20	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0233	0.107	1	09/11/2020 00:29	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*09/11/2020 00:29*	WG1541159

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	J4	0.000536	0.00115	1	09/10/2020 05:07	WG1540455
Toluene	U		0.00149	0.00574	1	09/10/2020 05:07	WG1540455
Ethylbenzene	U		0.000846	0.00287	1	09/10/2020 05:07	WG1540455
Total Xylenes	U		0.00101	0.00746	1	09/10/2020 05:07	WG1540455
(S) Toluene-d8	*99.1*			*75.0-131*		*09/10/2020 05:07*	WG1540455
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*09/10/2020 05:07*	WG1540455
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*09/10/2020 05:07*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.73	4.30	1	09/14/2020 12:47	WG1541824
C28-C40 Oil Range	0.532	B J	0.294	4.30	1	09/14/2020 12:47	WG1541824
(S) o-Terphenyl	*71.0*			*18.0-148*		*09/14/2020 12:47*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.4		1	09/15/2020 09:55	WG1541933

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	20.9	J	9.64	21.0	1	09/09/2020 20:30	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	09/11/2020 00:50	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*09/11/2020 00:50*	WG1541159

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	J4	0.000512	0.00110	1	09/10/2020 05:25	WG1540455
Toluene	U		0.00143	0.00548	1	09/10/2020 05:25	WG1540455
Ethylbenzene	U		0.000808	0.00274	1	09/10/2020 05:25	WG1540455
Total Xylenes	0.00164	J	0.000965	0.00713	1	09/11/2020 14:05	WG1541337
(S) Toluene-d8	*98.7*			*75.0-131*		*09/10/2020 05:25*	WG1540455
(S) Toluene-d8	*111*			*75.0-131*		*09/11/2020 14:05*	WG1541337
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/10/2020 05:25*	WG1540455
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/11/2020 14:05*	WG1541337
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*09/10/2020 05:25*	WG1540455
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*09/11/2020 14:05*	WG1541337

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	5.51		1.69	4.19	1	09/14/2020 14:36	WG1541824
C28-C40 Oil Range	18.3		0.287	4.19	1	09/14/2020 14:36	WG1541824
(S) o-Terphenyl	*68.0*			*18.0-148*		*09/14/2020 14:36*	WG1541824

BH-3 (2-3)
Collected date/time: 09/01/20 00:00

SAMPLE RESULTS - 12

L1258570

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.4		1	09/15/2020 09:55	WG1541933

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	10.5	J	9.35	20.3	1	09/09/2020 20:39	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0349	J	0.0221	0.102	1	09/11/2020 01:11	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*09/11/2020 01:11*	WG1541159

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	J4	0.000482	0.00103	1	09/10/2020 05:44	WG1540455
Toluene	U		0.00134	0.00516	1	09/10/2020 05:44	WG1540455
Ethylbenzene	U		0.000761	0.00258	1	09/10/2020 05:44	WG1540455
Total Xylenes	U		0.000909	0.00671	1	09/10/2020 05:44	WG1540455
(S) Toluene-d8	*101*			*75.0-131*		*09/10/2020 05:44*	WG1540455
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/10/2020 05:44*	WG1540455
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/10/2020 05:44*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.70	J	1.64	4.07	1	09/14/2020 14:49	WG1541824
C28-C40 Oil Range	6.60		0.279	4.07	1	09/14/2020 14:49	WG1541824
(S) o-Terphenyl	*68.7*			*18.0-148*		*09/14/2020 14:49*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.3		1	09/15/2020 09:55	WG1541933

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	10.5	J	10.1	21.9	1	09/09/2020 20:49	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0380	J	0.0238	0.109	1	09/11/2020 01:31	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*102*			*77.0-120*		*09/11/2020 01:31*	WG1541159

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	J4	0.000556	0.00119	1	09/10/2020 06:03	WG1540455
Toluene	U		0.00155	0.00595	1	09/10/2020 06:03	WG1540455
Ethylbenzene	U		0.000877	0.00297	1	09/10/2020 06:03	WG1540455
Total Xylenes	U		0.00105	0.00773	1	09/10/2020 06:03	WG1540455
(S) Toluene-d8	*95.8*			*75.0-131*		*09/10/2020 06:03*	WG1540455
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/10/2020 06:03*	WG1540455
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 06:03*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.76	4.38	1	09/14/2020 13:00	WG1541824
C28-C40 Oil Range	0.301	B J	0.300	4.38	1	09/14/2020 13:00	WG1541824
(S) o-Terphenyl	*68.0*			*18.0-148*		*09/14/2020 13:00*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.5		1	09/15/2020 09:55	WG1541933

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	19.7	J	9.53	20.7	1	09/09/2020 20:58	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0255	J	0.0225	0.104	1	09/11/2020 01:52	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*09/11/2020 01:52*	WG1541159

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	J4	0.000501	0.00107	1	09/10/2020 06:22	WG1540455
Toluene	U		0.00139	0.00536	1	09/10/2020 06:22	WG1540455
Ethylbenzene	U		0.000790	0.00268	1	09/10/2020 06:22	WG1540455
Total Xylenes	U		0.000943	0.00697	1	09/10/2020 06:22	WG1540455
(S) Toluene-d8	*98.5*			*75.0-131*		*09/10/2020 06:22*	WG1540455
(S) 4-Bromofluorobenzene	*110*			*67.0-138*		*09/10/2020 06:22*	WG1540455
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 06:22*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

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	09/14/2020 13:13	WG1541824
C28-C40 Oil Range	0.398	B J	0.284	4.14	1	09/14/2020 13:13	WG1541824
(S) o-Terphenyl	*75.3*			*18.0-148*		*09/14/2020 13:13*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/15/2020 09:55	WG1541933

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	552		9.74	21.2	1	09/09/2020 21:08	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/11/2020 02:13	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*09/11/2020 02:13*	WG1541159

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	J4	0.000522	0.00112	1	09/10/2020 06:41	WG1540455
Toluene	U		0.00145	0.00559	1	09/10/2020 06:41	WG1540455
Ethylbenzene	U		0.000824	0.00280	1	09/10/2020 06:41	WG1540455
Total Xylenes	U		0.000984	0.00727	1	09/10/2020 06:41	WG1540455
(S) Toluene-d8	*98.9*			*75.0-131*		*09/10/2020 06:41*	WG1540455
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/10/2020 06:41*	WG1540455
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*09/10/2020 06:41*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.31	J	1.71	4.24	1	09/14/2020 13:27	WG1541824
C28-C40 Oil Range	U		0.290	4.24	1	09/14/2020 13:27	WG1541824
(S) o-Terphenyl	*65.9*			*18.0-148*		*09/14/2020 13:27*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.1		1	09/15/2020 09:55	WG1541933

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	11.6	J	9.48	20.6	1	09/09/2020 21:46	WG1539749

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	09/11/2020 02:34	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*09/11/2020 02:34*	WG1541159

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	J4	0.000495	0.00106	1	09/10/2020 06:59	WG1540455
Toluene	U		0.00138	0.00530	1	09/10/2020 06:59	WG1540455
Ethylbenzene	U		0.000781	0.00265	1	09/10/2020 06:59	WG1540455
Total Xylenes	U		0.000933	0.00689	1	09/10/2020 06:59	WG1540455
(S) Toluene-d8	*99.6*			*75.0-131*		*09/10/2020 06:59*	WG1540455
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*09/10/2020 06:59*	WG1540455
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*09/10/2020 06:59*	WG1540455

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.83	J	1.66	4.12	1	09/14/2020 22:01	WG1541824
C28-C40 Oil Range	23.3		0.282	4.12	1	09/14/2020 22:01	WG1541824
(S) o-Terphenyl	*69.0*			*18.0-148*		*09/14/2020 22:01*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	09/15/2020 09:55	WG1541933

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	10.3	J	9.55	20.8	1	09/09/2020 21:55	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0789	J	0.0225	0.104	1	09/11/2020 02:55	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/11/2020 02:55*	WG1541159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000503	0.00108	1	09/10/2020 01:19	WG1540478
Toluene	U		0.00140	0.00539	1	09/10/2020 01:19	WG1540478
Ethylbenzene	U		0.000794	0.00269	1	09/10/2020 01:19	WG1540478
Total Xylenes	U		0.000948	0.00700	1	09/10/2020 01:19	WG1540478
(S) Toluene-d8	*109*			*75.0-131*		*09/10/2020 01:19*	WG1540478
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/10/2020 01:19*	WG1540478
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*		*09/10/2020 01:19*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.11	J	1.67	4.15	1	09/14/2020 15:03	WG1541824
C28-C40 Oil Range	8.40		0.285	4.15	1	09/14/2020 15:03	WG1541824
(S) o-Terphenyl	*73.0*			*18.0-148*		*09/14/2020 15:03*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/15/2020 09:55	WG1541933

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	79.3		9.75	21.2	1	09/09/2020 22:05	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0271	J	0.0230	0.106	1	09/11/2020 03:15	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-120*		*09/11/2020 03:15*	WG1541159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000523	0.00112	1	09/10/2020 01:39	WG1540478
Toluene	U		0.00146	0.00560	1	09/10/2020 01:39	WG1540478
Ethylbenzene	U		0.000825	0.00280	1	09/10/2020 01:39	WG1540478
Total Xylenes	U		0.000985	0.00728	1	09/10/2020 01:39	WG1540478
(S) Toluene-d8	*110*			*75.0-131*		*09/10/2020 01:39*	WG1540478
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2020 01:39*	WG1540478
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*09/10/2020 01:39*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.71	4.24	1	09/14/2020 13:40	WG1541824
C28-C40 Oil Range	U		0.290	4.24	1	09/14/2020 13:40	WG1541824
(S) o-Terphenyl	*64.0*			*18.0-148*		*09/14/2020 13:40*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/15/2020 09:46	WG1541934

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	976		9.79	21.3	1	09/09/2020 22:14	WG1539749

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0538	J	0.0233	0.108	1.01	09/11/2020 03:36	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*09/11/2020 03:36*	WG1541159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000527	0.00113	1	09/10/2020 01:59	WG1540478
Toluene	U		0.00147	0.00564	1	09/10/2020 01:59	WG1540478
Ethylbenzene	U		0.000832	0.00282	1	09/10/2020 01:59	WG1540478
Total Xylenes	U		0.000993	0.00734	1	09/10/2020 01:59	WG1540478
(S) Toluene-d8	*111*			*75.0-131*		*09/10/2020 01:59*	WG1540478
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2020 01:59*	WG1540478
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*09/10/2020 01:59*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1.89	J	1.71	4.26	1	09/14/2020 13:53	WG1541824
C28-C40 Oil Range	U		0.292	4.26	1	09/14/2020 13:53	WG1541824
(S) o-Terphenyl	*63.8*			*18.0-148*		*09/14/2020 13:53*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.8		1	09/15/2020 09:46	WG1541934

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	31.7		9.31	20.2	1	09/09/2020 22:24	WG1539749

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	1.01	09/11/2020 03:57	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*09/11/2020 03:57*	WG1541159

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		0.000478	0.00102	1	09/10/2020 02:19	WG1540478
Toluene	U		0.00133	0.00512	1	09/10/2020 02:19	WG1540478
Ethylbenzene	U		0.000755	0.00256	1	09/10/2020 02:19	WG1540478
Total Xylenes	U		0.000901	0.00666	1	09/10/2020 02:19	WG1540478
(S) Toluene-d8	*109*			*75.0-131*		*09/10/2020 02:19*	WG1540478
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/10/2020 02:19*	WG1540478
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*09/10/2020 02:19*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	7.29		1.63	4.05	1	09/14/2020 21:48	WG1541824
C28-C40 Oil Range	34.3		0.277	4.05	1	09/14/2020 21:48	WG1541824
(S) o-Terphenyl	*77.5*			*18.0-148*		*09/14/2020 21:48*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.1		1	09/15/2020 09:46	WG1541934

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	85.2	J3	9.38	20.4	1	09/10/2020 18:52	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0549	J	0.0221	0.102	1	09/11/2020 04:17	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*09/11/2020 04:17*	WG1541159

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		0.000486	0.00104	1	09/10/2020 02:39	WG1540478
Toluene	U		0.00135	0.00520	1	09/10/2020 02:39	WG1540478
Ethylbenzene	U		0.000766	0.00260	1	09/10/2020 02:39	WG1540478
Total Xylenes	0.00141	J	0.000915	0.00676	1	09/10/2020 02:39	WG1540478
(S) Toluene-d8	*110*			*75.0-131*		*09/10/2020 02:39*	WG1540478
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*		*09/10/2020 02:39*	WG1540478
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*		*09/10/2020 02:39*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.55	J	1.64	4.08	1	09/14/2020 11:27	WG1541824
C28-C40 Oil Range	5.30		0.279	4.08	1	09/14/2020 11:27	WG1541824
(S) o-Terphenyl	*69.3*			*18.0-148*		*09/14/2020 11:27*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.1		1	09/15/2020 09:46	WG1541934

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	48.9		9.28	20.2	1	09/10/2020 19:11	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0412	J	0.0219	0.101	1	09/11/2020 04:38	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*09/11/2020 04:38*	WG1541159

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		0.000475	0.00102	1	09/10/2020 02:59	WG1540478
Toluene	U		0.00132	0.00509	1	09/10/2020 02:59	WG1540478
Ethylbenzene	U		0.000750	0.00254	1	09/10/2020 02:59	WG1540478
Total Xylenes	U		0.000895	0.00661	1	09/10/2020 02:59	WG1540478
(S) Toluene-d8	*110*			*75.0-131*		*09/10/2020 02:59*	WG1540478
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/10/2020 02:59*	WG1540478
(S) 1,2-Dichloroethane-d4	*88.6*			*70.0-130*		*09/10/2020 02:59*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.29		1.62	4.03	1	09/14/2020 15:29	WG1541824
C28-C40 Oil Range	13.9		0.276	4.03	1	09/14/2020 15:29	WG1541824
(S) o-Terphenyl	*76.4*			*18.0-148*		*09/14/2020 15:29*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.1		1	09/15/2020 09:46	WG1541934

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	14.3	J	9.78	21.3	1	09/10/2020 19:20	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0344	J	0.0231	0.106	1	09/11/2020 04:59	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*103*			*77.0-120*		*09/11/2020 04:59*	WG1541159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000526	0.00113	1	09/10/2020 03:19	WG1540478
Toluene	U		0.00146	0.00563	1	09/10/2020 03:19	WG1540478
Ethylbenzene	U		0.000830	0.00282	1	09/10/2020 03:19	WG1540478
Total Xylenes	U		0.000991	0.00732	1	09/10/2020 03:19	WG1540478
(S) Toluene-d8	*109*			*75.0-131*		*09/10/2020 03:19*	WG1540478
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2020 03:19*	WG1540478
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*09/10/2020 03:19*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.02	J	1.71	4.25	1	09/14/2020 14:09	WG1541824
C28-C40 Oil Range	U		0.291	4.25	1	09/14/2020 14:09	WG1541824
(S) o-Terphenyl	*63.9*			*18.0-148*		*09/14/2020 14:09*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.8		1	09/15/2020 09:46	WG1541934

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	712		9.71	21.1	1	09/10/2020 19:49	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	0.0421	J	0.0229	0.105	1	09/11/2020 05:20	WG1541159
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*09/11/2020 05:20*	WG1541159

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000518	0.00111	1	09/10/2020 03:38	WG1540478
Toluene	U		0.00144	0.00555	1	09/10/2020 03:38	WG1540478
Ethylbenzene	U		0.000818	0.00278	1	09/10/2020 03:38	WG1540478
Total Xylenes	0.00142	J	0.000977	0.00722	1	09/10/2020 03:38	WG1540478
(S) Toluene-d8	*110*			*75.0-131*		*09/10/2020 03:38*	WG1540478
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*09/10/2020 03:38*	WG1540478
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*09/10/2020 03:38*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	1430		17.0	42.2	10	09/14/2020 16:36	WG1541824
C28-C40 Oil Range	1330		5.78	84.4	20	09/14/2020 22:22	WG1541824
(S) o-Terphenyl	*54.5*			*18.0-148*		*09/14/2020 16:36*	WG1541824
(S) o-Terphenyl	*65.4*	J7		*18.0-148*		*09/14/2020 22:22*	WG1541824

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	09/15/2020 09:46	WG1541934

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	219		9.73	21.2	1	09/10/2020 19:58	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/11/2020 01:06	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*77.0-120*		*09/11/2020 01:06*	WG1541187

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000521	0.00112	1	09/10/2020 03:58	WG1540478
Toluene	U		0.00145	0.00558	1	09/10/2020 03:58	WG1540478
Ethylbenzene	U		0.000822	0.00279	1	09/10/2020 03:58	WG1540478
Total Xylenes	0.00106	J	0.000982	0.00725	1	09/10/2020 03:58	WG1540478
(S) Toluene-d8	*110*			*75.0-131*		*09/10/2020 03:58*	WG1540478
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/10/2020 03:58*	WG1540478
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*		*09/10/2020 03:58*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	252		8.52	21.2	5	09/14/2020 20:04	WG1542341
C28-C40 Oil Range	212		1.45	21.2	5	09/14/2020 20:04	WG1542341
(S) o-Terphenyl	*60.8*			*18.0-148*		*09/14/2020 20:04*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.5		1	09/15/2020 09:46	WG1541934

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	652		9.54	20.7	1	09/10/2020 20:27	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	09/11/2020 01:28	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*77.0-120*		*09/11/2020 01:28*	WG1541187

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000501	0.00107	1	09/10/2020 04:18	WG1540478
Toluene	U		0.00140	0.00537	1	09/10/2020 04:18	WG1540478
Ethylbenzene	U		0.000791	0.00268	1	09/10/2020 04:18	WG1540478
Total Xylenes	U		0.000945	0.00698	1	09/10/2020 04:18	WG1540478
(S) Toluene-d8	*108*			*75.0-131*		*09/10/2020 04:18*	WG1540478
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2020 04:18*	WG1540478
(S) 1,2-Dichloroethane-d4	*87.4*			*70.0-130*		*09/10/2020 04:18*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	4.19		1.67	4.15	1	09/14/2020 17:05	WG1542341
C28-C40 Oil Range	4.21		0.284	4.15	1	09/14/2020 17:05	WG1542341
(S) o-Terphenyl	*85.1*			*18.0-148*		*09/14/2020 17:05*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.5		1	09/15/2020 09:46	WG1541934

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	1230		48.7	106	5	09/10/2020 20:36	WG1540149

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0230	0.106	1	09/11/2020 01:51	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*77.0-120*		*09/11/2020 01:51*	WG1541187

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000522	0.00112	1	09/10/2020 04:38	WG1540478
Toluene	U		0.00145	0.00559	1	09/10/2020 04:38	WG1540478
Ethylbenzene	U		0.000824	0.00279	1	09/10/2020 04:38	WG1540478
Total Xylenes	U		0.000984	0.00726	1	09/10/2020 04:38	WG1540478
(S) Toluene-d8	*111*			*75.0-131*		*09/10/2020 04:38*	WG1540478
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*09/10/2020 04:38*	WG1540478
(S) 1,2-Dichloroethane-d4	*79.7*			*70.0-130*		*09/10/2020 04:38*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.70	4.23	1	09/14/2020 16:40	WG1542341
C28-C40 Oil Range	U		0.290	4.23	1	09/14/2020 16:40	WG1542341
(S) o-Terphenyl	*81.5*			*18.0-148*		*09/14/2020 16:40*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	09/15/2020 09:46	WG1541934

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	306		9.55	20.8	1	09/09/2020 23:40	WG1539346

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0225	0.104	1	09/11/2020 02:13	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*		*09/11/2020 02:13*	WG1541187

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000503	0.00108	1	09/10/2020 04:58	WG1540478
Toluene	U		0.00140	0.00539	1	09/10/2020 04:58	WG1540478
Ethylbenzene	U		0.000794	0.00269	1	09/10/2020 04:58	WG1540478
Total Xylenes	U		0.000948	0.00700	1	09/10/2020 04:58	WG1540478
(S) Toluene-d8	*108*			*75.0-131*		*09/10/2020 04:58*	WG1540478
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2020 04:58*	WG1540478
(S) 1,2-Dichloroethane-d4	*87.0*			*70.0-130*		*09/10/2020 04:58*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

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	4.15	1	09/14/2020 16:27	WG1542341
C28-C40 Oil Range	U		0.285	4.15	1	09/14/2020 16:27	WG1542341
(S) o-Terphenyl	*79.7*			*18.0-148*		*09/14/2020 16:27*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	09/15/2020 09:25	WG1541935

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	24.4		9.52	20.7	1	09/09/2020 23:51	WG1539346

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	09/11/2020 02:36	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/11/2020 02:36*	WG1541187

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	09/10/2020 05:18	WG1540478
Toluene	U		0.00139	0.00535	1	09/10/2020 05:18	WG1540478
Ethylbenzene	U		0.000788	0.00267	1	09/10/2020 05:18	WG1540478
Total Xylenes	U		0.000941	0.00695	1	09/10/2020 05:18	WG1540478
(S) Toluene-d8	*108*			*75.0-131*		*09/10/2020 05:18*	WG1540478
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*09/10/2020 05:18*	WG1540478
(S) 1,2-Dichloroethane-d4	*90.6*			*70.0-130*		*09/10/2020 05:18*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	2.05	J	1.67	4.14	1	09/14/2020 17:18	WG1542341
C28-C40 Oil Range	U		0.284	4.14	1	09/14/2020 17:18	WG1542341
(S) o-Terphenyl	*76.7*			*18.0-148*		*09/14/2020 17:18*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.6		1	09/15/2020 09:25	WG1541935

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	79.6		10.3	22.3	1	09/10/2020 00:00	WG1539346

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	0.112	1	09/11/2020 02:58	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/11/2020 02:58*	WG1541187

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		0.000575	0.00123	1	09/10/2020 05:38	WG1540478
Toluene	U		0.00160	0.00616	1	09/10/2020 05:38	WG1540478
Ethylbenzene	U		0.000908	0.00308	1	09/10/2020 05:38	WG1540478
Total Xylenes	U		0.00108	0.00801	1	09/10/2020 05:38	WG1540478
(S) Toluene-d8	*111*			*75.0-131*		*09/10/2020 05:38*	WG1540478
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/10/2020 05:38*	WG1540478
(S) 1,2-Dichloroethane-d4	*85.4*			*70.0-130*		*09/10/2020 05:38*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	3.28	J	1.80	4.46	1	09/14/2020 17:43	WG1542341
C28-C40 Oil Range	2.21	B J	0.306	4.46	1	09/14/2020 17:43	WG1542341
(S) o-Terphenyl	*75.7*			*18.0-148*		*09/14/2020 17:43*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.2		1	09/15/2020 09:25	WG1541935

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	35.1		10.3	22.4	1	09/10/2020 00:10	WG1539346

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	09/11/2020 03:20	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*09/11/2020 03:20*	WG1541187

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	09/10/2020 05:58	WG1540478
Toluene	U		0.00161	0.00621	1	09/10/2020 05:58	WG1540478
Ethylbenzene	U		0.000915	0.00310	1	09/10/2020 05:58	WG1540478
Total Xylenes	U		0.00109	0.00807	1	09/10/2020 05:58	WG1540478
(S) Toluene-d8	*109*			*75.0-131*		*09/10/2020 05:58*	WG1540478
(S) 4-Bromofluorobenzene	*99.5*			*67.0-138*		*09/10/2020 05:58*	WG1540478
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*09/10/2020 05:58*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.80	4.48	1	09/14/2020 17:31	WG1542341
C28-C40 Oil Range	U		0.307	4.48	1	09/14/2020 17:31	WG1542341
(S) o-Terphenyl	*74.9*			*18.0-148*		*09/14/2020 17:31*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.6		1	09/15/2020 09:25	WG1541935

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	16.8	J	9.33	20.3	1	09/10/2020 00:19	WG1539346

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		0.0220	0.101	1	09/11/2020 03:42	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-120*		*09/11/2020 03:42*	WG1541187

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		0.000481	0.00103	1	09/10/2020 06:18	WG1540478
Toluene	U		0.00134	0.00514	1	09/10/2020 06:18	WG1540478
Ethylbenzene	U		0.000758	0.00257	1	09/10/2020 06:18	WG1540478
Total Xylenes	U		0.000905	0.00669	1	09/10/2020 06:18	WG1540478
(S) Toluene-d8	*109*			*75.0-131*		*09/10/2020 06:18*	WG1540478
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*09/10/2020 06:18*	WG1540478
(S) 1,2-Dichloroethane-d4	*85.1*			*70.0-130*		*09/10/2020 06:18*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	21.9		1.63	4.06	1	09/14/2020 19:00	WG1542341
C28-C40 Oil Range	31.4		0.278	4.06	1	09/14/2020 19:00	WG1542341
(S) o-Terphenyl	*57.6*			*18.0-148*		*09/14/2020 19:00*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.0		1	09/15/2020 09:25	WG1541935

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	302		9.49	20.6	1	09/10/2020 00:48	WG1539346

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		0.0224	0.103	1	09/11/2020 04:05	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*09/11/2020 04:05*	WG1541187

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		0.000496	0.00106	1	09/10/2020 06:38	WG1540478
Toluene	U		0.00138	0.00531	1	09/10/2020 06:38	WG1540478
Ethylbenzene	U		0.000783	0.00266	1	09/10/2020 06:38	WG1540478
Total Xylenes	U		0.000935	0.00690	1	09/10/2020 06:38	WG1540478
(S) Toluene-d8	*112*			*75.0-131*		*09/10/2020 06:38*	WG1540478
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/10/2020 06:38*	WG1540478
(S) 1,2-Dichloroethane-d4	*87.9*			*70.0-130*		*09/10/2020 06:38*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	6.89		1.66	4.12	1	09/14/2020 19:26	WG1542341
C28-C40 Oil Range	6.19		0.283	4.12	1	09/14/2020 19:26	WG1542341
(S) o-Terphenyl	*83.9*			*18.0-148*		*09/14/2020 19:26*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	09/15/2020 09:25	WG1541935

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	35.1		11.4	24.8	1	09/10/2020 00:57	WG1539346

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	09/11/2020 04:27	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/11/2020 04:27*	WG1541187

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	09/10/2020 06:58	WG1540478
Toluene	U		0.00192	0.00740	1	09/10/2020 06:58	WG1540478
Ethylbenzene	U		0.00109	0.00370	1	09/10/2020 06:58	WG1540478
Total Xylenes	U		0.00130	0.00962	1	09/10/2020 06:58	WG1540478
(S) Toluene-d8	*109*			*75.0-131*		*09/10/2020 06:58*	WG1540478
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*09/10/2020 06:58*	WG1540478
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*09/10/2020 06:58*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

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	09/14/2020 17:56	WG1542341
C28-C40 Oil Range	U		0.340	4.96	1	09/14/2020 17:56	WG1542341
(S) o-Terphenyl	*79.3*			*18.0-148*		*09/14/2020 17:56*	WG1542341

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	09/15/2020 09:25	WG1541935

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	289		9.62	20.9	1	09/10/2020 01:07	WG1539346

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0227	0.105	1	09/11/2020 04:50	WG1541187
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/11/2020 04:50*	WG1541187

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		0.000510	0.00109	1	09/10/2020 07:18	WG1540478
Toluene	U		0.00142	0.00546	1	09/10/2020 07:18	WG1540478
Ethylbenzene	U		0.000804	0.00273	1	09/10/2020 07:18	WG1540478
Total Xylenes	U		0.000960	0.00709	1	09/10/2020 07:18	WG1540478
(S) Toluene-d8	*110*			*75.0-131*		*09/10/2020 07:18*	WG1540478
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*09/10/2020 07:18*	WG1540478
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*09/10/2020 07:18*	WG1540478

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
C10-C28 Diesel Range	U		1.68	4.18	1	09/14/2020 07:53	WG1542342
C28-C40 Oil Range	3.02	B J	0.286	4.18	1	09/14/2020 07:53	WG1542342
(S) o-Terphenyl	*65.2*			*18.0-148*		*09/14/2020 07:53*	WG1542342

Method Blank (MB)

(MB) R3570999-1 09/15/20 10:08

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

L1258570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-01 09/15/20 10:08 • (DUP) R3570999-3 09/15/20 10:08

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.5	98.6	1	0.0900		10

Laboratory Control Sample (LCS)

(LCS) R3570999-2 09/15/20 10:08

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

Method Blank (MB)

(MB) R3570997-1 09/15/20 09:55

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

L1258570-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-12 09/15/20 09:55 • (DUP) R3570997-3 09/15/20 09:55

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.4	98.4	1	0.0593		10

Laboratory Control Sample (LCS)

(LCS) R3570997-2 09/15/20 09:55

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) R3570995-1 09/15/20 09:46

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

L1258570-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-23 09/15/20 09:46 • (DUP) R3570995-3 09/15/20 09:46

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.1	93.4	1	0.731		10

Laboratory Control Sample (LCS)

(LCS) R3570995-2 09/15/20 09:46

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) R3570994-1 09/15/20 09:25

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

L1258575-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1258575-02 09/15/20 09:25 • (DUP) R3570994-3 09/15/20 09:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.2	87.1	1	2.19		10

Laboratory Control Sample (LCS)

(LCS) R3570994-2 09/15/20 09:25

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) R3568807-1 09/09/20 22:53

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3568807-3 09/09/20 23:21

Analyte	Original Result	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride		13.4	1	13.7	J	20

L1258953-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1258953-11 09/10/20 03:01 • (DUP) R3568807-6 09/10/20 03:11

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1620	1870	5	14.2		20

Laboratory Control Sample (LCS)

(LCS) R3568807-2 09/09/20 23:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	211	105	90.0-110	

L1258953-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258953-06 09/10/20 01:35 • (MS) R3568807-4 09/10/20 01:45 • (MSD) R3568807-5 09/10/20 01:55

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	548	407	1020	997	112	108	1	80.0-120			2.16	20

Method Blank (MB)

(MB) R3568806-1 09/09/20 17:36

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

L1258570-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-01 09/09/20 18:08 • (DUP) R3568806-3 09/09/20 18:17

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	1640	1630	5	0.810		20

L1258570-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-15 09/09/20 21:08 • (DUP) R3568806-6 09/09/20 21:36

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	552	577	1	4.39		20

Laboratory Control Sample (LCS)

(LCS) R3568806-2 09/09/20 17:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	211	106	90.0-110	

L1258570-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-08 09/09/20 19:42 • (MS) R3568806-4 09/09/20 19:52 • (MSD) R3568806-5 09/09/20 20:01

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	520	30.7	545	554	99.0	101	1	80.0-120			1.48	20

Method Blank (MB)

(MB) R3569331-1 09/10/20 18:17

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

L1258570-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-21 09/10/20 18:52 • (DUP) R3569331-3 09/10/20 19:01

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	85.2	105	1	20.9	J3	20

L1258795-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1258795-07 09/10/20 22:40 • (DUP) R3569331-6 09/10/20 22:50

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

Laboratory Control Sample (LCS)

(LCS) R3569331-2 09/10/20 18:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	212	106	90.0-110	

L1258570-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-23 09/10/20 19:20 • (MS) R3569331-4 09/10/20 19:30 • (MSD) R3569331-5 09/10/20 19:39

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	531	14.3	546	536	100	98.2	1	80.0-120			1.87	20

Method Blank (MB)

(MB) R3569344-3 09/10/20 12:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0235	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*91.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3569344-2 09/10/20 11:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.01	109	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*77.0-120*	

L1258990-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258990-23 09/10/20 22:37 • (MS) R3569344-4 09/10/20 22:58 • (MSD) R3569344-5 09/10/20 23:18

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	1430	83.6	1600	1590	106	106	250	10.0-151			0.683	28
(S) a,a,a-Trifluorotoluene(FID)					*108*	*108*		*77.0-120*				

Method Blank (MB)

(MB) R3569301-1 09/10/20 20:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0303	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3569301-2 09/10/20 21:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.15	93.6	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	

L1258578-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258578-01 09/11/20 03:07 • (MS) R3569301-3 09/11/20 07:20 • (MSD) R3569301-4 09/11/20 07:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	154	U	67.4	70.3	43.7	45.6	25	10.0-151			4.27	28
(S) a,a,a-Trifluorotoluene(FID)					*102*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3569452-3 09/10/20 21:31

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)	*107*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3569452-2 09/10/20 20:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.79	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*102*	*77.0-120*	

L1260039-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1260039-02 09/10/20 23:07 • (MS) R3569452-6 09/11/20 06:22 • (MSD) R3569452-7 09/11/20 06:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	142	6.35	73.1	71.3	47.0	45.7	25.8	10.0-151			2.49	28
(S) a,a,a-Trifluorotoluene(FID)					*104*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3570434-2 09/11/20 00:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3570434-1 09/10/20 23:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.68	103	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*104*	*77.0-120*	

L1258570-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-28 09/11/20 02:13 • (MS) R3570434-3 09/11/20 09:07 • (MSD) R3570434-4 09/11/20 09:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.66	U	2.35	2.17	41.5	38.3	1	10.0-151			7.82	28
(S) a,a,a-Trifluorotoluene(FID)					*100*	*99.4*		*77.0-120*				

Method Blank (MB)

(MB) R3570581-3 09/15/20 12:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0242	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.8*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3570581-2 09/15/20 11:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.17	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*110*	*77.0-120*	

Method Blank (MB)

(MB) R3569246-2 09/10/20 00:25

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	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*111*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3569246-1 09/09/20 23:28

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00650	130	70.0-123	J4
Ethylbenzene	0.00500	0.00584	117	74.0-126	
Toluene	0.00500	0.00594	119	75.0-121	
Xylenes, Total	0.0150	0.0190	127	72.0-127	
(S) Toluene-d8			*98.9*	*75.0-131*	
(S) 4-Bromofluorobenzene			*108*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

L1259057-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1259057-19 09/10/20 01:40 • (MS) R3569246-3 09/10/20 07:18 • (MSD) R3569246-4 09/10/20 07:37

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	25.0	2.62	34.3	35.8	127	133	200	10.0-149			4.28	37
Ethylbenzene	25.0	6.16	37.9	36.8	127	123	200	10.0-160			2.95	38
Toluene	25.0	19.7	63.4	62.1	175	170	200	10.0-156	J5	J5	2.07	38
Xylenes, Total	75.0	66.0	192	195	168	172	200	10.0-160	J5	J5	1.55	38
(S) Toluene-d8					*98.8*	*96.0*		*75.0-131*				
(S) 4-Bromofluorobenzene					*107*	*107*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*107*	*107*		*70.0-130*				

Method Blank (MB)

(MB) R3570315-2 09/10/20 00:59

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	*107*			*75.0-131*
(S) 4-Bromofluorobenzene	*105*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*94.9*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3570315-1 09/09/20 22:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.110	88.0	70.0-123	
Ethylbenzene	0.125	0.113	90.4	74.0-126	
Toluene	0.125	0.114	91.2	75.0-121	
Xylenes, Total	0.375	0.349	93.1	72.0-127	
(S) Toluene-d8			*109*	*75.0-131*	
(S) 4-Bromofluorobenzene			*105*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*95.9*	*70.0-130*	

L1258570-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-35 09/10/20 07:18 • (MS) R3570315-3 09/10/20 07:58 • (MSD) R3570315-4 09/10/20 08:18

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	0.136	U	0.121	0.138	88.8	101	1	10.0-149			12.7	37
Ethylbenzene	0.136	U	0.129	0.143	94.4	105	1	10.0-160			10.4	38
Toluene	0.136	U	0.129	0.141	94.4	103	1	10.0-156			8.91	38
Xylenes, Total	0.409	U	0.401	0.433	97.9	106	1	10.0-160			7.85	38
(S) Toluene-d8					*109*	*109*		*75.0-131*				
(S) 4-Bromofluorobenzene					*104*	*102*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*89.5*	*90.8*		*70.0-130*				

Method Blank (MB)

(MB) R3569494-3 09/11/20 09:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*109*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*90.9*			*70.0-130*

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

(LCS) R3569494-1 09/11/20 08:09 • (LCSD) R3569494-2 09/11/20 08:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Xylenes, Total	0.375	0.395	0.415	105	111	72.0-127			4.94	20
(S) Toluene-d8				*108*	*111*	*75.0-131*				
(S) 4-Bromofluorobenzene				*104*	*107*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*96.4*	*97.7*	*70.0-130*				

Method Blank (MB)

(MB) R3570060-1 09/14/20 08:32

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-C40 Oil Range	0.375	J	0.274	4.00
(S) o-Terphenyl	*71.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3570060-2 09/14/20 08:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	33.3	66.6	50.0-150	
(S) o-Terphenyl			*85.6*	*18.0-148*	

L1258570-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-21 09/14/20 11:27 • (MS) R3570060-3 09/14/20 11:40 • (MSD) R3570060-4 09/14/20 11:53

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	48.2	2.55	29.2	33.5	55.2	64.5	1	50.0-150			13.7	20
(S) o-Terphenyl					*73.5*	*83.5*		*18.0-148*				

Method Blank (MB)

(MB) R3570372-1 09/14/20 15:36

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-C40 Oil Range	0.301	J	0.274	4.00
(S) o-Terphenyl	*82.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3570372-2 09/14/20 15:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	43.6	87.2	50.0-150	
(S) o-Terphenyl			*63.4*	*18.0-148*	

L1258578-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258578-05 09/14/20 18:22 • (MS) R3570372-3 09/14/20 18:34 • (MSD) R3570372-4 09/14/20 18:47

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	64.2	U	52.6	50.0	82.0	79.6	1	50.0-150			5.26	20
(S) o-Terphenyl					*59.0*	*56.7*		*18.0-148*				

Method Blank (MB)

(MB) R3570080-1 09/14/20 07:02

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-C40 Oil Range	0.515	J	0.274	4.00
(S) o-Terphenyl	*75.5*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3570080-2 09/14/20 07:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	39.1	78.2	50.0-150	
(S) o-Terphenyl			*60.2*	*18.0-148*	

L1258582-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258582-01 09/14/20 13:28 • (MS) R3570080-3 09/14/20 13:40 • (MSD) R3570080-4 09/14/20 13:53

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	50.8	65.1	85.1	121	39.5	111	1	50.0-150	J6	J3	35.1	20
(S) o-Terphenyl					*42.4*	*54.7*		*18.0-148*				

Method Blank (MB)

(MB) R3569909-1 09/13/20 10:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	0.452	J	0.274	4.00
(S) o-Terphenyl	*74.2*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3569909-2 09/13/20 10:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.3	74.6	50.0-150	
(S) o-Terphenyl			*71.5*	*18.0-148*	

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* 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 National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
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	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

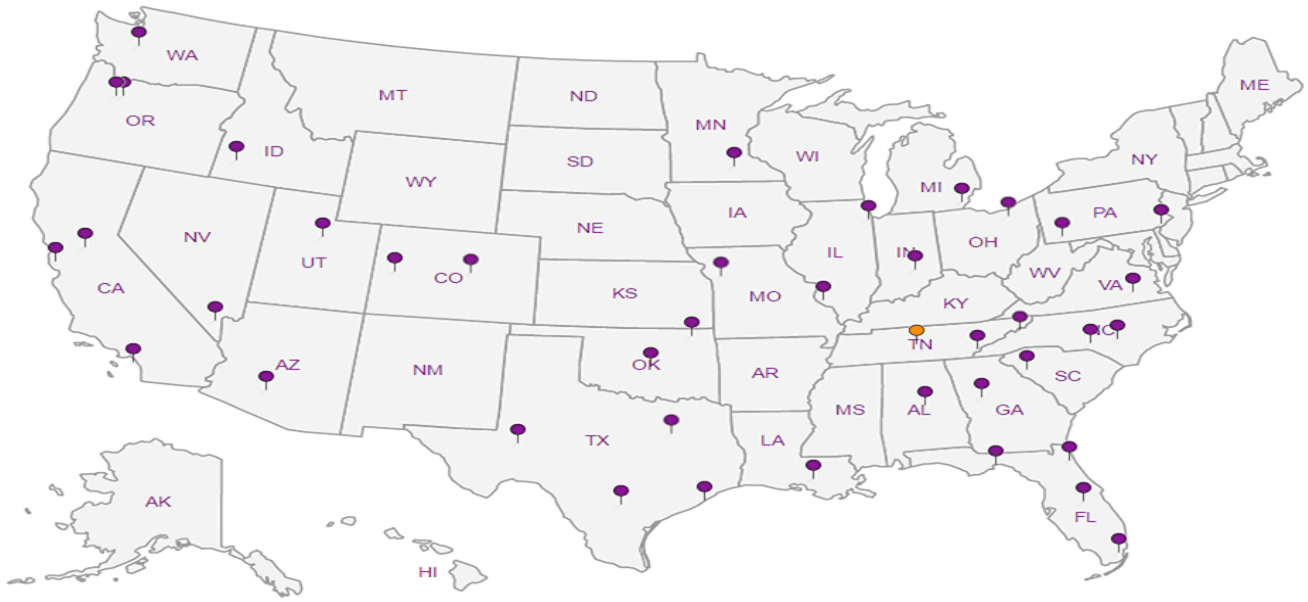
Third Party Federal Accreditations

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
ConocoPhillips - Tetra Tech	212C-MD-02194	L1258570	09/17/20 18:59	67 of 71

Analysis Request of Chain of Custody Record

COPTETRA

Page : 1 of 4

Tetra Tech, Inc.

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

L1258570 B078

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Santa Fe #135 Stuffing Box Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02194
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2020 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-01	BH-1 (0-1)	9/1/2020			X			X		1	N	X		X												X						
-02	BH-1 (2-3)	9/1/2020			X			X		1	N	X		X												X						
-03	BH-1 (4-5)	9/1/2020			X			X		1	N	X		X												X						
-04	BH-1 (6-7)	9/1/2020			X			X		1	N	X		X												X						
-05	BH-1 (9-10)	9/1/2020			X			X		1	N	X		X												X						
-06	BH-1 (14-15')	9/1/2020			X			X		1	N	X		X												X						
-07	BH-2 (0-1')	9/1/2020			X			X		1	N	X		X												X						
-08	BH-2 (2-3')	9/1/2020			X			X		1	N	X		X												X						
-09	BH-2 (4-5')	9/1/2020			X			X		1	N	X		X												X						
-10	BH-2 (7-8')	9/1/2020			X			X		1	N	X		X												X						

Relinquished by:	Date: 9/3/20	Time: 15:50	Received by: Date: 15:35 Time: 9.35
Relinquished by:	Date: 9.3.20	Time: 16:30	Received by: FedEx Date: 16:30 Time: 9.32
Relinquished by:	Date:	Time:	Received by: Date: 9-4-20 Time: 8:30

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

1.7 + 0.1 = 1.8

MM AB

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 #: _____

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

LIZ5857C

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Stuffing Box Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02194
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B / BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
		YEAR: 2020																														
-11	BH-3 (0-1)	9/1/2020			X			X		1	N	X		X												X						
-12	BH-3 (2-3)	9/1/2020			X			X		1	N	X		X												X						
-13	BH-3 (4-5')	9/1/2020			X			X		1	N	X		X												X						
-14	BH-3 (6-7')	9/1/2020			X			X		1	N	X		X												X						
-15	BH-3 (9-10')	9/1/2020			X			X		1	N	X		X												X						
-16	BH-4 (0-1')	9/1/2020			X			X		1	N	X		X												X						
-17	BH-4 (2-3')	9/1/2020			X			X		1	N	X		X												X						
-18	BH-4 (4-5')	9/1/2020			X			X		1	N	X		X												X						
-19	BH-4 (7-8')	9/1/2020			X			X		1	N	X		X												X						
-20	BH-5 (0-1')	9/1/2020			X			X		1	N	X		X												X						

	Date:	Time:		Date:	Time:
Relinquished by:	9/3/20	15:30	Received by:	9.3.20	15:30
Relinquished by:	9.3.20	16:30	Received by: FedEx	9.3.20	16:30
Relinquished by:			Received by:		9.3.

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 #:

Analysis Request of Chain of Custody Record

COPTETRA

Tetra Tech, Inc.

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

L1258570

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Santa Fe #135 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02194
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston
Comments:	COPTETRA Acctnum		

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
		YEAR: 2020																																
-21	BH-5 (2-3')	9/1/2020			X				X			1	N	X		X												X						
-22	BH-5 (4-5')	9/1/2020			X				X			1	N	X		X												X						
-23	BH-5 (7-8')	9/1/2020			X				X			1	N	X		X												X						
-24	BH-6 (0-1')	9/1/2020			X				X			1	N	X		X												X						
-25	BH-6 (2-3')	9/1/2020			X				X			1	N	X		X												X						
-26	BH-6 (4-5')	9/1/2020			X				X			1	N	X		X												X						
-27	BH-6 (6-7')	9/1/2020			X				X			1	N	X		X												X						
-28	BH-6 (9-10')	9/1/2020			X				X			1	N	X		X												X						
-29	BH-6 (14-15')	9/1/2020			X				X			1	N	X		X												X						
-30	BH-6 (19-20')	9/1/2020			X				X			1	N	X		X												X						

Relinquished by:	Date: 9/3/20	Time: 5:00	Received by: Date: 9.3.20 Time: 5:00
Relinquished by:	Date: 9.3.20	Time: 16:30	Received by: FedEx Date: 9.3.20 Time: 16:30
Relinquished by:	Date:	Time:	Received by: Date: 9-4-20 Time: 830

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 #:

Fedex: 1922 - 0813
-2284 2400

Analysis Request of Chain of Custody Record

Page 1 of 4

Tetra Tech, Inc.

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

L1258570

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	Santa Fe #135 Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02194
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	John Thurston

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2020)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD: NONE	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R		HOLD
-31	BH-6 (24-25')	9/1/2020			X				X			1	N	X		X												X					
-32	BH-7 (0-1')	9/1/2020			X				X			1	N	X		X												X					
-33	BH-7 (2-3')	9/1/2020			X				X			1	N	X		X												X					
-34	BH-7 (4-5')	9/1/2020			X				X			1	N	X		X												X					
-35	BH-7 (7-8')	9/1/2020			X				X			1	N	X		X												X					

Sample Receipt Checklist
COC Seal Present/Intact: Y N
COC Signed/Accurate: Y N
Bottles [illegible]: Y N
Correct [illegible]: Y N
Sufficient volume sent: Y N
RAD Screen <0.5 mR/hr: Y N
If Applicable
VOA Zero Headspace: Y N
Pres.Correct/Check: Y N

Relinquished by:	Date: 9/3/20	Time: 15:30	Received by: Date: 9.3.20 Time: 15:30
Relinquished by:	Date: 9.3.20	Time: 16:30	Received by: FedEx Date: 9.3.20 Time: 16:30
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature 1.7+1=1.8 NM AB

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 #:

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 13946

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 13946
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	DEFERAL approved as detailed in report.	10/7/2021