TETRA TECH

November 6, 2020

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

Re: Release Characterization, Remediation and Closure Report
ConocoPhillips
MCA 274 Wellhead Release
Unit Letter A, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico
Incident # nRM2025239946

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred at the Maljamar Cooperative Agreement (MCA) 274 well pad (API No. 30-025-23731). The release footprint is located in Public Land Survey System (PLSS) Unit Letter A, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.809323°, -103.767055° as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Attachment A), the release was discovered on August 20, 2020. The initial C-141 form had to be revised as the reported release date (May 10, 2020) was incorrect on the initial submittal. The C-141 was revised, resubmitted on September 29, 2020 and accepted by the NMOCD on September 30, 2020.

As documented on the C-141 form, a casing leak at the wellhead led to the release of approximately 30 barrels (bbls.) of produced water encompassing an area of approximately 2,735 square feet (sf) on the caliche well pad. The New Mexico Oil Conservation District (NMOCD) was notified via email on August 21, 2020. No materials were recovered after the release. The release area footprint was bermed and fenced as a portion of initial response activities.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.0029 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

The Site is within a New Mexico oil and gas production area. According to the New Mexico Office of the State Engineers (NMOSE) database, there are nine (9) water wells within a ½ mile (800-meter) radius of the Site with an average depth to groundwater at 82 feet (ft.) below ground surface (bgs). The site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

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

levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization, the RRALs for the Site are as follows:

Constituent	RRAL
Chloride (0-4 ft bgs)	600 mg/kg
Chloride (>4 ft bgs)	10,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

INITIAL RESPONSE AND SITE ASSESSMENT

As mentioned above, the release area footprint was fenced and bermed as a portion of initial response. In accordance with 19.15.29.8. B. (4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, COP elected to begin remediation of the impacted area in September 2020. The footprint of the release was excavated to approximately 1 ft bgs to remove the visually impacted soils as shown in Figure 3. All the excavated material was transported offsite for proper disposal. Approximately 180 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix E.

In order to properly characterize the release footprint and achieve horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted soil sampling following excavation activities. A total of seven (7) borings were initially installed within and outside the release footprint using a hand auger on September 15, 2020. Three (3) borings were installed inside the excavated area footprint on the north (V-1), northeast (V-2) and southwest (V-3) of the release point to a depth of 4 ft bgs to achieve vertical delineation. Boring logs are included in Appendix D. Four (4) borings (H-1 through H-4) were installed along the perimeter of the excavated area to achieve horizontal delineation. Soil samples collected were field screened for salinity parts per million (ppm) using an ExStik II EC 400 meter.

A total of thirteen (13) samples were collected from the seven (7) borings and submitted to Pace Analytical National Center for Testing & Innovation (Pace) in Nashville, Tennessee to be analyzed on a rush turnaround for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C.

After review of the analytical results from the initial sampling events, the release extent was not bound horizontally at boring location H-4. Three additional boring locations (H-5, H-6 and H-7) were drilled and sampled to complete horizontal delineation to the east, northeast, and southeast on September 24, 2020. The approximate release extent and boring locations are shown in Figure 3. A total of three (3) surface (0-1’) samples were collected from the three borings and submitted to Pace to be analyzed on a rush turnaround for chlorides, TPH, and BTEX. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix C. Photographic documentation of the release extent is included in Appendix F.

SUMMARY OF SAMPLING RESULTS

Results from the September 2020 soil sampling events are summarized in Table 1. As mentioned, the analytical results associated with boring location H-4 exceeded the Site chloride reclamation RRAL of 600 mg/kg in the 0’-1’ sample interval. The analytical results associated with boring location V-1 exceeded the chloride reclamation RRAL in the 2’-3’ sample interval. Analytical results from the remainder of the sample intervals analyzed in the assessment were below the applicable Site RRALs.

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REMEDIATION ACTIVITIES

Based on the analytical results, COP removed the remaining impacted material as shown in Figure 4. Visually impacted soils were initially excavated based on the assessment data. Excavation continued until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the site.

The soil in the vicinity of boring H-4 was excavated to 1' bgs based on the assessment data. The remainder of the footprint had been previously excavated to 1' bgs. Impacted soil in the vicinity of V-1 was then excavated to 3' bgs. After field screening, this area was extended westward to the western boundary of the release footprint. Soil in the vicinity of V-3 needed no additional excavation post-initial response. Soil north of the V-2 boring location was excavated to 2' bgs. Soil in the southwestern portion of the footprint was also excavated an additional foot to 2' bgs. Soil in the western central portion of the release was excavated an additional six inches to 1.5' bgs. Impacted soils were excavated using heavy equipment (backhoes and track hoes) until a representative sample from the walls and bottom of the excavation was below the RRALs. Approximately 314 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Copies of the waste manifests are included in Appendix E.

CONFIRMATION SAMPLING RESULTS

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips conducted confirmation sampling of the remediated area for verification of remedial activities where each sidewall and floor sample was representative of approximately 200 square feet. A total of fourteen (14) floor sample locations and twenty-four (24) sidewall sample locations were used during the remedial activities in October 2020. Confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed for TPH, BTEX, and chloride within appropriate holding times by Pace. Once results were received that were below the applicable RRALs, the excavation was backfilled with clean material to surface grade.

The excavation encompassed a surface area of approximately 3,435 square feet. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance. All final confirmation soil samples (floor and sidewall) were below the respective RRALs for BTEX, TPH and chlorides. Results from the October 2020 confirmation sampling events are summarized in Table 2.

CONCLUSION

ConocoPhillips has completed remediation at the release site. This final closure report has been submitted within 90 days of discovery of the release. This final closure report details the release characterization and remediation activities and the results of the confirmation sampling. If you have any questions concerning the soil assessment, the remediation work, or confirmation sampling for the Site, please call me at (512) 338-2861 or Greg at (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

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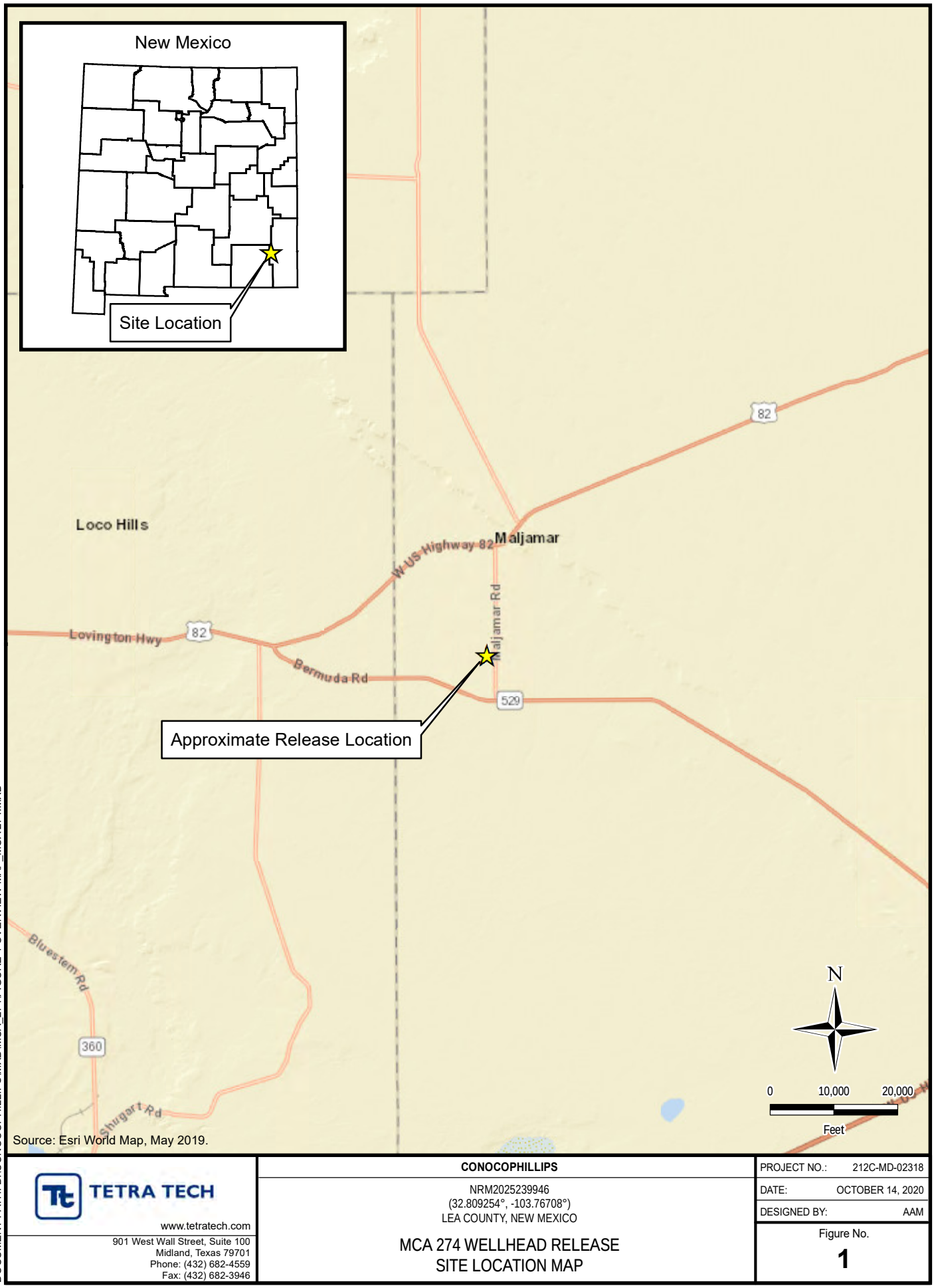
LIST OF ATTACHMENTS

Figures:

Tables:

Appendices:

FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_274\FIGURE 1 OVERVIEW MAP_MCA 274.MXD

TETRA TECH

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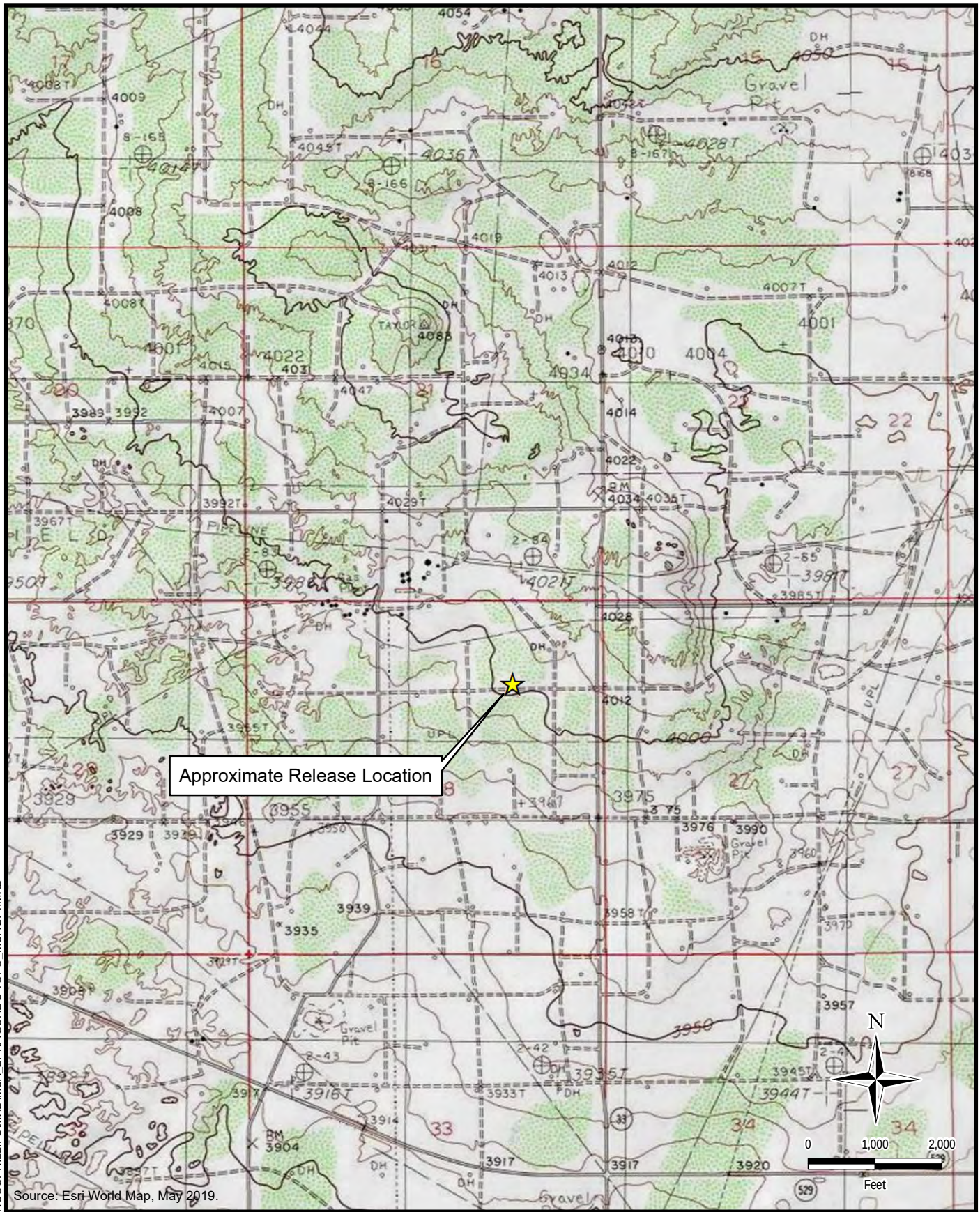
CONOCOPHILLIPS

NRM2025239946
(32.809254°, -103.76708°)
LEA COUNTY, NEW MEXICO

MCA 274 WELLHEAD RELEASE
SITE LOCATION MAP

PROJECT NO.:	212C-MD-02318
DATE:	OCTOBER 14, 2020
DESIGNED BY:	AAM

Figure No.
1



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_274\FIGURE 2 TOPO_MCA 274.MXD

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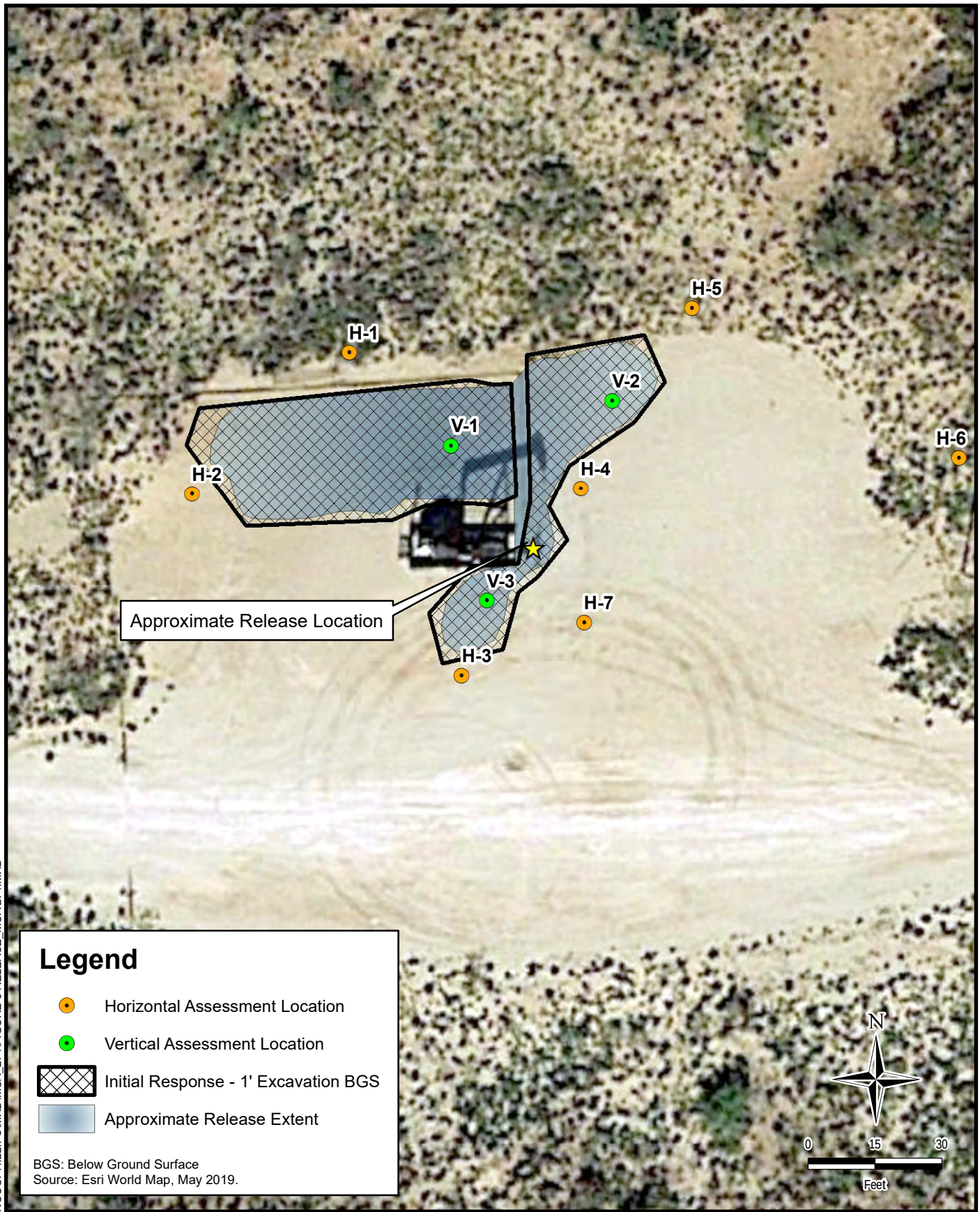
LEA COUNTY, NEW MEXICO

MCA 274 WELLHEAD RELEASE
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-02318
DATE:	OCTOBER 14, 2020
DESIGNED BY:	AAM

Figure No.
2



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_274\FIGURE 3 RELEASE_MCA 274.MXD

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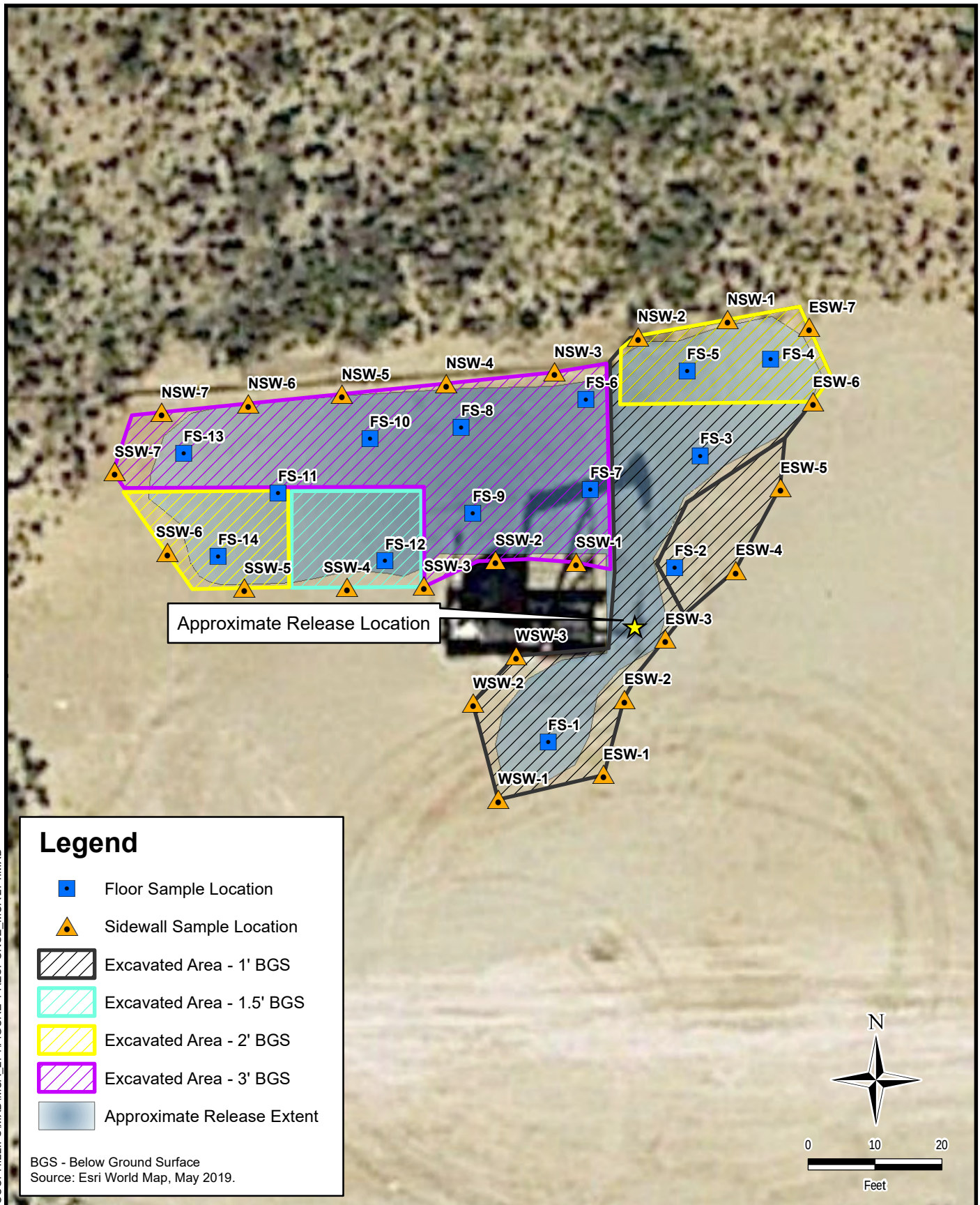
CONOCOPHILLIPS

NRM2025239946
(32.809254°, -103.76708°)
LEA COUNTY, NEW MEXICO

MCA 274 WELLHEAD RELEASE
APPROXIMATE RELEASE EXTENT, INITIAL RESPONSE, AND ASSESSMENT

PROJECT NO.:	212C-MD-02318
DATE:	OCTOBER 30, 2020
DESIGNED BY:	AAM

Figure No.
3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA_274\FIGURE 4 RESPONSE_MCA 274.MXD

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CONOCOPHILLIPS

NRM2025239946
(32.809254°, -103.76708°)
LEA COUNTY, NEW MEXICO

MCA 274 WELLHEAD RELEASE
REMEDIATION EXTENTS AND CONFIRMATION SAMPLE LOCATIONS

PROJECT NO.:	212C-MD-02318
DATE:	NOVEMBER 03, 2020
DESIGNED BY:	AAM

Figure No.
4

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - nRM2025239946
CONOCOPHILLIPS
MCA 274 WELLHEAD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth Interval	Field Screening Results		Chloride[1]		BTEX[2]								TPH[3]							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX	GRO[4] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)	
		ft. bgs	ppm		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
H-1	9/15/2020	0-1	130	-	< 22.2		< 0.00123		< 0.00617		< 0.00308		< 0.00802		-	< 3.08		2.62	J	11.9		14.5
H-2	9/15/2020	0-1	230	-	67.0		< 0.00142		< 0.00712		< 0.00357		< 0.00926		-	< 3.57		3.18	J	5.26		8.44
H-3	9/15/2020	0-1	120	-	128		< 0.00127		< 0.00637		< 0.00318		< 0.00828		-	< 3.18		1.67	J	6.14		7.81
H-4	9/15/2020	0-1	130	-	***971***		< 0.00123		< 0.00615		< 0.00307		< 0.00800		-	< 3.08		2.69	J	10.9		13.6
H-5	9/24/2020	0-1	-	-	13.1	J	NA		NA		NA		NA		-	NA		NA		NA		-
H-6	9/24/2020	0-1	-	-	74.3		NA		NA		NA		NA		-	NA		NA		NA		-
H-7	9/24/2020	0-1	-	-	171		NA		NA		NA		NA		-	NA		NA		NA		-
V-1	9/15/2020	1-2	340	-	379		< 0.00104		< 0.00522		< 0.00261		< 0.00678		-	< 2.61		< 4.08		0.675	J	0.675
		2-3	480	-	***879***		< 0.00190		< 0.00949		< 0.00475		< 0.0123		-	< 4.75		< 5.74		1.21	J	1.21
		3-4	499	-	381		< 0.00111		< 0.00556		< 0.00278		< 0.00722		-	< 2.78		2.01	J	5.58		7.59
V-2	9/15/2020	1-2	300	-	92.7		< 0.00113		< 0.00566		< 0.00283		< 0.00735		-	< 2.83		< 4.25		1.50	J	1.50
		2-3	410	-	436		< 0.00236		< 0.0118		< 0.00591		< 0.0154		-	< 5.91		< 6.69		3.61	J	3.61
		3-4	570	-	322		< 0.00128		< 0.00639		< 0.00320		< 0.00830		-	< 3.20		2.90	J	8.09		11.0
V-3	9/15/2020	1-2	413	-	237		< 0.00152		< 0.00762		< 0.00381		< 0.00990		-	< 3.81		3.45	J	2.15	J	5.60
		2-3	403	-	514		< 0.00109		< 0.00547		< 0.00274		< 0.00712		-	< 2.74		< 4.13		0.846	J	0.846
		3-4	350	-	472		< 0.00113		< 0.00566		< 0.00283		< 0.00735		-	< 2.83		< 4.26		1.36	J	1.36

NOTES:

ft. Feet

bgs Below ground surface

ppm Parts per million

mg/kg Milligrams per kilogram

NA Sample not analyzed for constituent

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel 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:

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

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TABLE 2
SUMMARY OF ANALYTICAL RESULTS
CONFIRMATION SAMPLING - nRM2025239946
CONOCOPHILLIPS
MCA 274 WELLHEAD RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Chloride[1]		BTEX[2]										TPH[3]							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO[4] C_3 - C_{10}		DRO C_{10} - C_{28}		ORO C_{28} - C_{40}		Total TPH (GRO+DRO+ORO)	
		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	
FS-1	10/19/2020	315		< 0.00102		< 0.00511		< 0.00256		< 0.00665		-		0.0393	B J	< 4.05		< 4.05		0.0393	
FS-2	10/21/2020	190		0.000823	J	< 0.00693		< 0.00346		0.00284	J	0.00366		0.0333	B J	< 4.77	J6	0.945	J	0.978	
FS-3	10/21/2020	229		< 0.00107		< 0.00533		< 0.00266		< 0.00693		-		0.0290	B J	< 4.13		1.28	J	1.31	
FS-4	10/21/2020	196		< 0.00136		< 0.00681		< 0.00341		0.00263	J	0.00263		< 0.118		< 4.72		0.568	J	0.568	
FS-5	10/21/2020	30.6		< 0.00117		< 0.00585		< 0.00292		0.00140	J	0.00140		0.0254	B J	< 4.34		1.27	J	1.30	
FS-6	10/21/2020	< 24.4		< 0.00144		< 0.00721		< 0.00360		0.00223	J	0.00223		0.0273	B J	< 4.88		0.690	J	0.717	
FS-7	10/21/2020	23.1		< 0.00108		< 0.00542		< 0.00271		0.00156	J	0.00156		0.0230	B J	< 4.17		2.92	J	2.94	
FS-8	10/21/2020	12.8	J	< 0.00114		< 0.00569		< 0.00284		0.00142	J	0.00142		0.0296	B J	< 4.27		0.878	J	0.908	
FS-9	10/21/2020	< 21.3		< 0.00113		< 0.00564		< 0.00282		0.00120	J	0.00120		0.0352	B J	1.81	J	1.06	J	2.91	
FS-10	10/21/2020	178		< 0.00140		< 0.00700		< 0.00350		0.00152	J	0.00152		0.0346	B J	< 4.79		0.941	J	0.976	
FS-11	10/21/2020	< 21.4		< 0.00114		< 0.00570		< 0.00285		0.00180	J	0.00180		0.0267	B J	1.94	J	2.62	J	4.59	
FS-12	10/21/2020	142		< 0.00142		< 0.00712		< 0.00356		0.00320	J	0.00320		0.0310	B J	< 4.85		0.796	J	0.827	
FS-13	10/21/2020	< 22.3		< 0.00123		< 0.00616		< 0.00308		0.00154	J	0.00154		0.0273	B J	< 4.46		3.44	J	3.47	
FS-14	10/21/2020	84.8		< 0.00101		< 0.00505		< 0.00253		0.00168	J	0.00168		0.0280	B J	< 4.02		2.51	J	2.54	
NSW-1	10/20/2020	< 20.2		< 0.00102		< 0.00512		< 0.00256		< 0.00665		-		< 0.101		7.22		15.3		22.5	
NSW-2	10/20/2020	40.1		0.00107	B	0.00435	J	< 0.00257		0.00256	J	0.0080		< 0.102		11.9		38.7		50.6	
NSW-3	10/20/2020	13.3	J	< 0.00102		< 0.00510		< 0.00255		< 0.00663		-		< 0.101		4.32		23.4		27.7	
NSW-4	10/20/2020	< 20.1		< 0.00101		< 0.00504		< 0.00252		< 0.00655		-		0.0231	J	< 4.02		2.39	B J	2.41	
NSW-5	10/20/2020	< 20.1		0.00114	B	0.00518		< 0.00252		0.00192	J	0.0082		< 0.100		< 4.02		4.64	B	4.64	
NSW-6	10/20/2020	12.9	J	< 0.00102		< 0.00509		< 0.00255		< 0.00662		-		< 0.101		< 4.04		5.64		5.64	
NSW-7	10/20/2020	15.1	J	< 0.00101		< 0.00504		< 0.00252		< 0.00655		-		< 0.100		1.96	J	7.98		9.94	
ESW-1	10/19/2020	195		< 0.00115		< 0.00576		< 0.00288		< 0.00749		-		0.0330	B J	< 4.30		< 4.30		0.0330	
ESW-2	10/19/2020	227		< 0.00102		< 0.00510		< 0.00255		< 0.00662		-		0.0322	B J	< 4.04		< 4.04		0.0322	
ESW-3	10/20/2020	295		< 0.00101		< 0.00504		< 0.00254		< 0.00659		-		< 0.101		2.74	J	5.71		8.45	
ESW-4	10/20/2020	90.7		< 0.00102		< 0.00510		< 0.00255		< 0.00663		-		< 0.101		< 4.04		3.23	B J	3.23	
ESW-5	10/20/2020	< 23.5		< 0.00134		< 0.00672		< 0.00336		< 0.00874		-		< 0.117		7.22		5.00	B	12.2	
ESW-6	10/20/2020	90		< 0.00102		< 0.00508		< 0.00254		< 0.00661		-		0.0252	J	3.94	J	17.7		21.7	
ESW-7	10/20/2020	243		< 0.00137		< 0.00683		< 0.00342		< 0.00888	J3			< 0.118		< 4.73		4.01	B J	4.01	
SSW-1	10/20/2020	221		< 0.00106		< 0.00530		< 0.00265		< 0.00689		-		0.0690	J	< 4.12		2.47	B J	2.54	
SSW-2	10/20/2020	430		< 0.00108		< 0.00539		< 0.00269		< 0.00701		-		< 0.104		< 4.16		1.94	B J	1.94	
SSW-3	10/20/2020	192		< 0.00101		< 0.00504		< 0.00252		< 0.00655		-		0.0392	J	< 4.02		3.79	B J	3.83	
SSW-4	10/20/2020	193		< 0.00101		< 0.00504		< 0.00252		< 0.00655		-		0.0639	J	< 4.01		2.97	B J	3.03	
SSW-5	10/20/2020	73.9		< 0.00102		< 0.00512		< 0.00256		< 0.00666		-		0.0228	J	2.52	J	12.6		15.1	
SSW-6	10/20/2020	54.3		< 0.00101		< 0.00507		< 0.00254		< 0.00659		-		< 0.101		1.80	J	3.16	B J	4.96	
SSW-7	10/20/2020	21.9		< 0.00101		< 0.00504		< 0.00252		< 0.00655		-		< 0.100		< 4.01		3.67	B J	3.67	
WSW-1	10/19/2020	479		< 0.00101		< 0.00504		< 0.00252		< 0.00655		-		0.0297	B J	10.4		15.0		25.4	
WSW-2	10/19/2020	201		< 0.00101		< 0.00507		< 0.00253		< 0.00659		-		0.0289	B J	2.19	J	7.26		9.48	
WSW-3	10/19/2020	174		< 0.00105		< 0.00526		< 0.00263		< 0.00684		-		0.0300	B J	< 4.11		4.58		4.61	

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 is found in the associated blank.

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

APPENDIX A
C-141 Forms

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	nRM2025239946
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.809254 Longitude -103.767082
(NAD 83 in decimal degrees to 5 decimal places)

Site Name MCA 274	Site Type Well Site
Date Release Discovered ~~5/10/20~~ 8/20/2020	API# *(if applicable)* 3002523731

Unit Letter	Section	Township	Range	County
A	28	17S	32E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls) 0	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Casing leak

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nRM2025239946
District RP	
Facility ID	
Application ID	

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

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Email notification was given to Bradford Billings and Jim Griswold, OCD by Kelsy Waggaman, ConocoPhillips Environmental Coordinator on 8/21/20.

Initial Response

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

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

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

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

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

Printed Name: Kelsy Waggaman Title: Environmental Coordinator

Signature: _____ Date: 9/2/20

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

nRM2025239946 incident number. C-141 resubmitted with corrections via the payment portal on 9/29/2020. cml

OCD Only

Received by: _____ Date: _____

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: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

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
RA 12020 POD3		RA	LE	2	1	2	28	17S	32E	615152	3631019	342	112	83	29
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	526	100		
RA 12521 POD1		RA	LE	3	3	4	21	17S	32E	615127	3631271	546	105	92	13
RA 12721 POD2		RA	LE	1	1	4	28	17S	32E	615055	3630407	549	124	75	49
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	555	100		
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	575	100		
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	614	120	81	39
RA 10175		RA	LE		2	1	28	17S	32E	614814	3631005*	641	158		
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	648	400		

Average Depth to Water: **82 feet**

Minimum Depth: **75 feet**

Maximum Depth: **92 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 615425.83 **Northing (Y):** 3630813.52 **Radius:** 800

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

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

9/29/20 1:53 PM

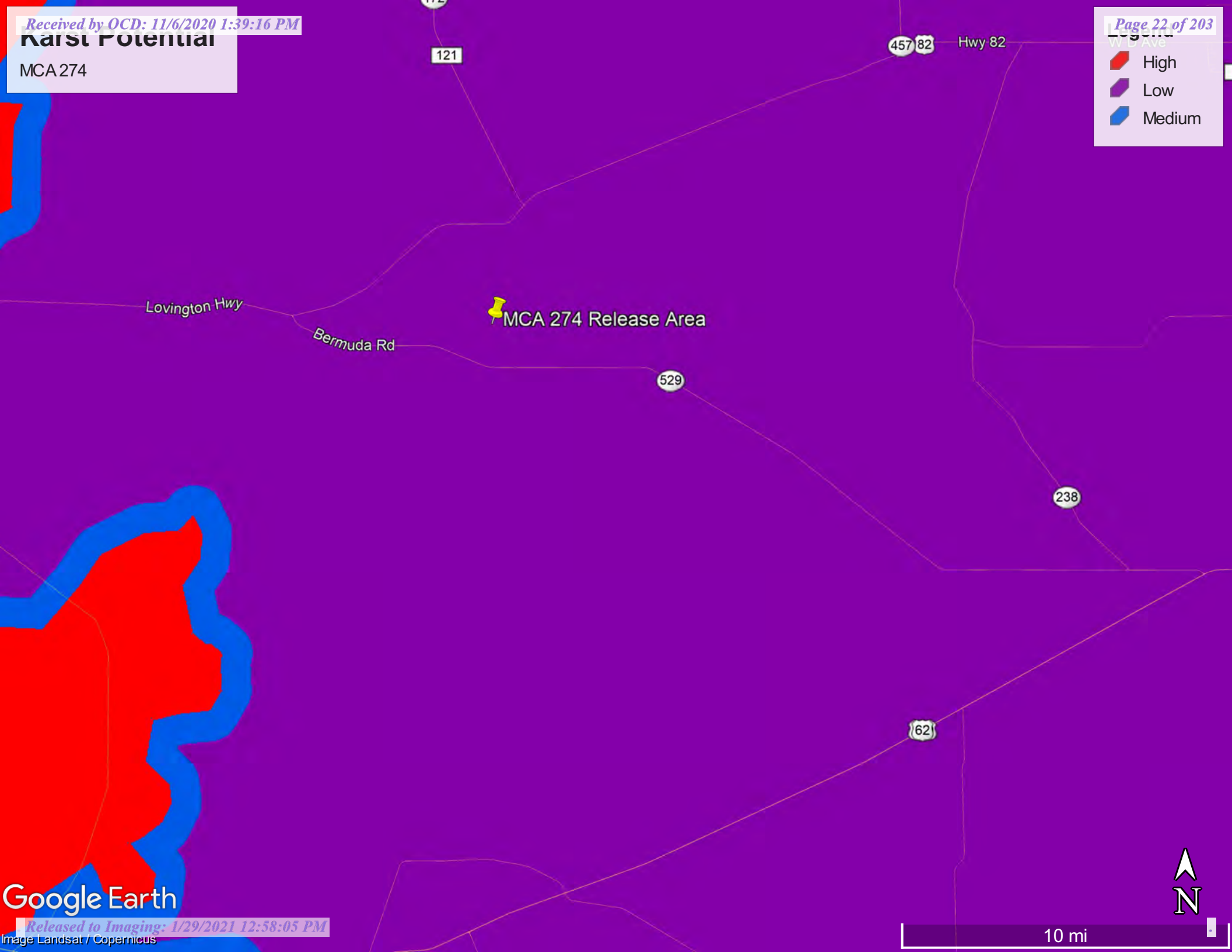
WATER COLUMN/ AVERAGE DEPTH TO WATER

Released to Imaging: 1/29/2021 12:58:05 PM

Received by OCD: 11/6/2020 1:39:16 PM

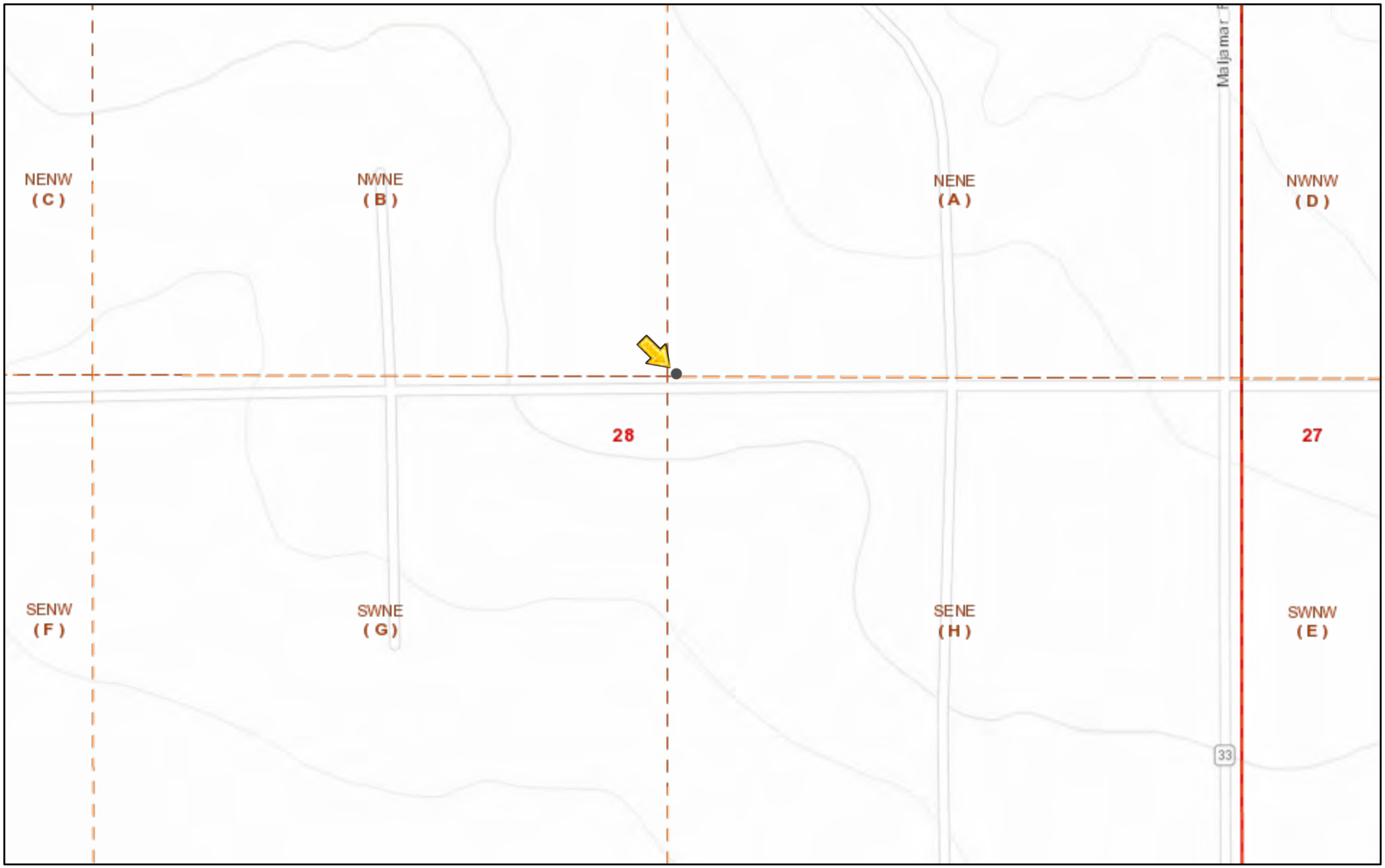
Karst Potential

MCA 274



Released to Imaging: 1/29/2021 12:58:05 PM

Water Bodies



9/29/2020, 1:44:40 PM

Override 1

OCD District Offices

PLSS First Division

PLSS Second Division

OSE Water-bodies

OSE Streams

PLJV Probable Playas

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,

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
Laboratory Analytical Data

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 21, 2020

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1263783
Samples Received:	09/18/2020
Project Number:	212C-MD-02318
Description:	MCA 274 Wellhead Release
Site:	LEA COUNTY, NEW MEXICO
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.

TABLE OF CONTENTS

H-1 (0-1) L1263783-01 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 11:16	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	25	09/15/20 00:00	09/19/20 20:52	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 11:53	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 08:18	JN	Mt. Juliet, TN

H-2 (0-1) L1263783-02 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 11:35	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	33.3	09/15/20 00:00	09/19/20 21:15	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1.33	09/15/20 00:00	09/19/20 12:13	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 07:19	JN	Mt. Juliet, TN

H-3 (0-1) L1263783-03 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 12:12	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	30	09/15/20 00:00	09/19/20 21:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1.2	09/15/20 00:00	09/19/20 12:33	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 08:33	JN	Mt. Juliet, TN

H-4 (0-1) L1263783-04 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	5	09/20/20 08:12	09/20/20 13:44	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	29.8	09/15/20 00:00	09/19/20 22:00	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1.19	09/15/20 00:00	09/19/20 12:53	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 08:48	JN	Mt. Juliet, TN

V-1 (1-2) L1263783-05 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 14:02	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	25	09/15/20 00:00	09/19/20 22:23	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 13:13	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 06:06	JN	Mt. Juliet, TN

V-1 (2-3) L1263783-06 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 14:21	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	25	09/15/20 00:00	09/19/20 23:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 13:33	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 06:20	JN	Mt. Juliet, TN

V-1 (3-4) L1263783-07 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	5	09/20/20 08:12	09/20/20 14:39	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	27	09/15/20 00:00	09/19/20 23:31	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1.08	09/15/20 00:00	09/19/20 13:53	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 08:04	JN	Mt. Juliet, TN

V-2 (1-2) L1263783-08 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 14:58	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	25	09/15/20 00:00	09/19/20 23:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 14:13	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 06:35	JN	Mt. Juliet, TN

V-2 (2-3) L1263783-09 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 15:16	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545900	25	09/15/20 00:00	09/20/20 00:17	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 14:33	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 06:50	JN	Mt. Juliet, TN

V-2 (3-4) L1263783-10 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545817	1	09/19/20 18:06	09/19/20 18:24	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 15:34	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545904	25.3	09/15/20 00:00	09/19/20 17:22	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1.01	09/15/20 00:00	09/19/20 14:53	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 07:05	JN	Mt. Juliet, TN

V-3 (1-2) L1263783-11 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545818	1	09/19/20 18:27	09/19/20 18:56	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 15:53	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545904	25	09/15/20 00:00	09/19/20 17:45	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 15:13	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 05:36	JN	Mt. Juliet, TN

V-3 (2-3) L1263783-12 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

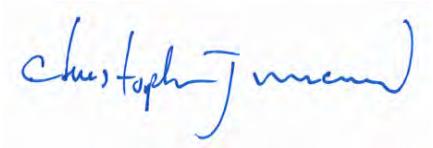
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545818	1	09/19/20 18:27	09/19/20 18:56	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 16:11	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545904	25.8	09/15/20 00:00	09/19/20 18:07	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1.03	09/15/20 00:00	09/19/20 15:33	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 03:38	JN	Mt. Juliet, TN

V-3 (3-4) L1263783-13 Solid

Collected by | Collected date/time 09/15/20 00:00 | Received date/time 09/18/20 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1545818	1	09/19/20 18:27	09/19/20 18:56	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1545923	1	09/20/20 08:12	09/20/20 16:30	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1545904	25	09/15/20 00:00	09/19/20 18:30	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1545892	1	09/15/20 00:00	09/19/20 15:53	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1545989	1	09/19/20 19:02	09/20/20 03:53	JN	Mt. Juliet, TN

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



Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.2		1	09/19/2020 18:24	WG1545817

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.2	22.2	1	09/20/2020 11:16	WG1545923

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		0.670	3.08	25	09/19/2020 20:52	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*96.3*			*77.0-120*		*09/19/2020 20:52*	WG1545900

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		0.000576	0.00123	1	09/19/2020 11:53	WG1545892
Toluene	U		0.00160	0.00617	1	09/19/2020 11:53	WG1545892
Ethylbenzene	U		0.000909	0.00308	1	09/19/2020 11:53	WG1545892
Total Xylenes	U		0.00109	0.00802	1	09/19/2020 11:53	WG1545892
(S) Toluene-d8	*113*			*75.0-131*		*09/19/2020 11:53*	WG1545892
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*09/19/2020 11:53*	WG1545892
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*09/19/2020 11:53*	WG1545892

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	2.62	J	1.79	4.44	1	09/20/2020 08:18	WG1545989
C28-C40 Oil Range	11.9		0.304	4.44	1	09/20/2020 08:18	WG1545989
(S) o-Terphenyl	*69.7*			*18.0-148*		*09/20/2020 08:18*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	09/19/2020 18:24	WG1545817

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	67.0		9.57	20.8	1	09/20/2020 11:35	WG1545923

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		0.774	3.57	33.3	09/19/2020 21:15	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*09/19/2020 21:15*	WG1545900

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		0.000665	0.00142	1.33	09/19/2020 12:13	WG1545892
Toluene	U		0.00185	0.00712	1.33	09/19/2020 12:13	WG1545892
Ethylbenzene	U		0.00105	0.00357	1.33	09/19/2020 12:13	WG1545892
Total Xylenes	U		0.00125	0.00926	1.33	09/19/2020 12:13	WG1545892
(S) Toluene-d8	*113*			*75.0-131*		*09/19/2020 12:13*	WG1545892
(S) 4-Bromofluorobenzene	*93.4*			*67.0-138*		*09/19/2020 12:13*	WG1545892
(S) 1,2-Dichloroethane-d4	*94.3*			*70.0-130*		*09/19/2020 12:13*	WG1545892

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	3.18	J	1.68	4.16	1	09/20/2020 07:19	WG1545989
C28-C40 Oil Range	5.26		0.285	4.16	1	09/20/2020 07:19	WG1545989
(S) o-Terphenyl	*70.5*			*18.0-148*		*09/20/2020 07:19*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.8		1	09/19/2020 18:24	WG1545817

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	128		9.51	20.7	1	09/20/2020 12:12	WG1545923

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		0.691	3.18	30	09/19/2020 21:37	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*96.3*			*77.0-120*		*09/19/2020 21:37*	WG1545900

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		0.000594	0.00127	1.2	09/19/2020 12:33	WG1545892
Toluene	U		0.00166	0.00637	1.2	09/19/2020 12:33	WG1545892
Ethylbenzene	U		0.000938	0.00318	1.2	09/19/2020 12:33	WG1545892
Total Xylenes	U		0.00113	0.00828	1.2	09/19/2020 12:33	WG1545892
(S) Toluene-d8	*111*			*75.0-131*		*09/19/2020 12:33*	WG1545892
(S) 4-Bromofluorobenzene	*92.7*			*67.0-138*		*09/19/2020 12:33*	WG1545892
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*09/19/2020 12:33*	WG1545892

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	1.67	J	1.66	4.13	1	09/20/2020 08:33	WG1545989
C28-C40 Oil Range	6.14		0.283	4.13	1	09/20/2020 08:33	WG1545989
(S) o-Terphenyl	*76.2*			*18.0-148*		*09/20/2020 08:33*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.2		1	09/19/2020 18:24	WG1545817

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	971		46.8	102	5	09/20/2020 13:44	WG1545923

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		0.669	3.08	29.8	09/19/2020 22:00	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*96.1*			*77.0-120*		*09/19/2020 22:00*	WG1545900

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	1.19	09/19/2020 12:53	WG1545892
Toluene	U		0.00160	0.00615	1.19	09/19/2020 12:53	WG1545892
Ethylbenzene	U		0.000907	0.00307	1.19	09/19/2020 12:53	WG1545892
Total Xylenes	U		0.00109	0.00800	1.19	09/19/2020 12:53	WG1545892
(S) Toluene-d8	*116*			*75.0-131*		*09/19/2020 12:53*	WG1545892
(S) 4-Bromofluorobenzene	*92.6*			*67.0-138*		*09/19/2020 12:53*	WG1545892
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*09/19/2020 12:53*	WG1545892

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	2.69	J	1.64	4.07	1	09/20/2020 08:48	WG1545989
C28-C40 Oil Range	10.9		0.279	4.07	1	09/20/2020 08:48	WG1545989
(S) o-Terphenyl	*79.6*			*18.0-148*		*09/20/2020 08:48*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.0		1	09/19/2020 18:24	WG1545817

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	379		9.39	20.4	1	09/20/2020 14:02	WG1545923

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		0.567	2.61	25	09/19/2020 22:23	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*77.0-120*		*09/19/2020 22:23*	WG1545900

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000487	0.00104	1	09/19/2020 13:13	WG1545892
Toluene	U		0.00136	0.00522	1	09/19/2020 13:13	WG1545892
Ethylbenzene	U		0.000769	0.00261	1	09/19/2020 13:13	WG1545892
Total Xylenes	U		0.000919	0.00678	1	09/19/2020 13:13	WG1545892
(S) Toluene-d8	*112*			*75.0-131*		*09/19/2020 13:13*	WG1545892
(S) 4-Bromofluorobenzene	*85.5*			*67.0-138*		*09/19/2020 13:13*	WG1545892
(S) 1,2-Dichloroethane-d4	*92.9*			*70.0-130*		*09/19/2020 13:13*	WG1545892

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		1.64	4.08	1	09/20/2020 06:06	WG1545989
C28-C40 Oil Range	0.675	J	0.280	4.08	1	09/20/2020 06:06	WG1545989
(S) o-Terphenyl	*84.9*			*18.0-148*		*09/20/2020 06:06*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.7		1	09/19/2020 18:24	WG1545817

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	879		13.2	28.7	1	09/20/2020 14:21	WG1545923

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		1.03	4.75	25	09/19/2020 23:08	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*95.8*			*77.0-120*		*09/19/2020 23:08*	WG1545900

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		0.000887	0.00190	1	09/19/2020 13:33	WG1545892
Toluene	U		0.00247	0.00949	1	09/19/2020 13:33	WG1545892
Ethylbenzene	U		0.00140	0.00475	1	09/19/2020 13:33	WG1545892
Total Xylenes	U		0.00167	0.0123	1	09/19/2020 13:33	WG1545892
(S) Toluene-d8	*109*			*75.0-131*		*09/19/2020 13:33*	WG1545892
(S) 4-Bromofluorobenzene	*88.1*			*67.0-138*		*09/19/2020 13:33*	WG1545892
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*		*09/19/2020 13:33*	WG1545892

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		2.31	5.74	1	09/20/2020 06:20	WG1545989
C28-C40 Oil Range	1.21	J	0.393	5.74	1	09/20/2020 06:20	WG1545989
(S) o-Terphenyl	*80.2*			*18.0-148*		*09/20/2020 06:20*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.5		1	09/19/2020 18:24	WG1545817

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	381		46.7	102	5	09/20/2020 14:39	WG1545923

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		0.603	2.78	27	09/19/2020 23:31	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*95.3*			*77.0-120*		*09/19/2020 23:31*	WG1545900

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000519	0.00111	1.08	09/19/2020 13:53	WG1545892
Toluene	U		0.00144	0.00556	1.08	09/19/2020 13:53	WG1545892
Ethylbenzene	U		0.000819	0.00278	1.08	09/19/2020 13:53	WG1545892
Total Xylenes	U		0.000977	0.00722	1.08	09/19/2020 13:53	WG1545892
(S) Toluene-d8	*109*			*75.0-131*		*09/19/2020 13:53*	WG1545892
(S) 4-Bromofluorobenzene	*93.0*			*67.0-138*		*09/19/2020 13:53*	WG1545892
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*09/19/2020 13:53*	WG1545892

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	2.01	J	1.63	4.06	1	09/20/2020 08:04	WG1545989
C28-C40 Oil Range	5.58		0.278	4.06	1	09/20/2020 08:04	WG1545989
(S) o-Terphenyl	*82.6*			*18.0-148*		*09/20/2020 08:04*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	09/19/2020 18:24	WG1545817

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	92.7		9.79	21.3	1	09/20/2020 14:58	WG1545923

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		0.614	2.83	25	09/19/2020 23:54	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*95.5*			*77.0-120*		*09/19/2020 23:54*	WG1545900

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000528	0.00113	1	09/19/2020 14:13	WG1545892
Toluene	U		0.00147	0.00566	1	09/19/2020 14:13	WG1545892
Ethylbenzene	U		0.000834	0.00283	1	09/19/2020 14:13	WG1545892
Total Xylenes	U		0.000995	0.00735	1	09/19/2020 14:13	WG1545892
(S) Toluene-d8	*109*			*75.0-131*		*09/19/2020 14:13*	WG1545892
(S) 4-Bromofluorobenzene	*87.1*			*67.0-138*		*09/19/2020 14:13*	WG1545892
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*09/19/2020 14:13*	WG1545892

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	4.25	1	09/20/2020 06:35	WG1545989
C28-C40 Oil Range	1.50	J	0.291	4.25	1	09/20/2020 06:35	WG1545989
(S) o-Terphenyl	*75.5*			*18.0-148*		*09/20/2020 06:35*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	59.8		1	09/19/2020 18:24	WG1545817

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	436		15.4	33.5	1	09/20/2020 15:16	WG1545923

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		1.28	5.91	25	09/20/2020 00:17	WG1545900
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*77.0-120*		*09/20/2020 00:17*	WG1545900

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		0.00110	0.00236	1	09/19/2020 14:33	WG1545892
Toluene	U		0.00307	0.0118	1	09/19/2020 14:33	WG1545892
Ethylbenzene	U		0.00174	0.00591	1	09/19/2020 14:33	WG1545892
Total Xylenes	U		0.00208	0.0154	1	09/19/2020 14:33	WG1545892
(S) Toluene-d8	*111*			*75.0-131*		*09/19/2020 14:33*	WG1545892
(S) 4-Bromofluorobenzene	*92.5*			*67.0-138*		*09/19/2020 14:33*	WG1545892
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*09/19/2020 14:33*	WG1545892

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		2.69	6.69	1	09/20/2020 06:50	WG1545989
C28-C40 Oil Range	3.61	J	0.458	6.69	1	09/20/2020 06:50	WG1545989
(S) o-Terphenyl	*92.9*			*18.0-148*		*09/20/2020 06:50*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.2		1	09/19/2020 18:24	WG1545817

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	322		10.4	22.7	1	09/20/2020 15:34	WG1545923

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		0.695	3.20	25.3	09/19/2020 17:22	WG1545904
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*09/19/2020 17:22*	WG1545904

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		0.000597	0.00128	1.01	09/19/2020 14:53	WG1545892
Toluene	U		0.00166	0.00639	1.01	09/19/2020 14:53	WG1545892
Ethylbenzene	U		0.000942	0.00320	1.01	09/19/2020 14:53	WG1545892
Total Xylenes	U		0.00113	0.00830	1.01	09/19/2020 14:53	WG1545892
(S) Toluene-d8	*112*			*75.0-131*		*09/19/2020 14:53*	WG1545892
(S) 4-Bromofluorobenzene	*92.2*			*67.0-138*		*09/19/2020 14:53*	WG1545892
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*09/19/2020 14:53*	WG1545892

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	2.90	J	1.82	4.53	1	09/20/2020 07:05	WG1545989
C28-C40 Oil Range	8.09		0.311	4.53	1	09/20/2020 07:05	WG1545989
(S) o-Terphenyl	*83.4*			*18.0-148*		*09/20/2020 07:05*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	09/19/2020 18:56	WG1545818

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	237		11.3	24.5	1	09/20/2020 15:53	WG1545923

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		0.827	3.81	25	09/19/2020 17:45	WG1545904
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*09/19/2020 17:45*	WG1545904

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		0.000711	0.00152	1	09/19/2020 15:13	WG1545892
Toluene	U		0.00198	0.00762	1	09/19/2020 15:13	WG1545892
Ethylbenzene	U		0.00112	0.00381	1	09/19/2020 15:13	WG1545892
Total Xylenes	U		0.00134	0.00990	1	09/19/2020 15:13	WG1545892
(S) Toluene-d8	*113*			*75.0-131*		*09/19/2020 15:13*	WG1545892
(S) 4-Bromofluorobenzene	*91.5*			*67.0-138*		*09/19/2020 15:13*	WG1545892
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*		*09/19/2020 15:13*	WG1545892

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	3.45	J	1.97	4.91	1	09/20/2020 05:36	WG1545989
C28-C40 Oil Range	2.15	J	0.336	4.91	1	09/20/2020 05:36	WG1545989
(S) o-Terphenyl	*77.7*			*18.0-148*		*09/20/2020 05:36*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.9		1	09/19/2020 18:56	WG1545818

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	514		9.49	20.6	1	09/20/2020 16:11	WG1545923

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		0.595	2.74	25.8	09/19/2020 18:07	WG1545904
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-120*		*09/19/2020 18:07*	WG1545904

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000511	0.00109	1.03	09/19/2020 15:33	WG1545892
Toluene	U		0.00142	0.00547	1.03	09/19/2020 15:33	WG1545892
Ethylbenzene	U		0.000806	0.00274	1.03	09/19/2020 15:33	WG1545892
Total Xylenes	U		0.000963	0.00712	1.03	09/19/2020 15:33	WG1545892
(S) Toluene-d8	*122*			*75.0-131*		*09/19/2020 15:33*	WG1545892
(S) 4-Bromofluorobenzene	*88.2*			*67.0-138*		*09/19/2020 15:33*	WG1545892
(S) 1,2-Dichloroethane-d4	*92.4*			*70.0-130*		*09/19/2020 15:33*	WG1545892

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		1.66	4.13	1	09/20/2020 03:38	WG1545989
C28-C40 Oil Range	0.846	J	0.283	4.13	1	09/20/2020 03:38	WG1545989
(S) o-Terphenyl	*85.8*			*18.0-148*		*09/20/2020 03:38*	WG1545989

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	09/19/2020 18:56	WG1545818

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	472		9.79	21.3	1	09/20/2020 16:30	WG1545923

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		0.614	2.83	25	09/19/2020 18:30	WG1545904
(S) a,a,a-Trifluorotoluene(FID)	*99.6*			*77.0-120*		*09/19/2020 18:30*	WG1545904

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000528	0.00113	1	09/19/2020 15:53	WG1545892
Toluene	U		0.00147	0.00566	1	09/19/2020 15:53	WG1545892
Ethylbenzene	U		0.000834	0.00283	1	09/19/2020 15:53	WG1545892
Total Xylenes	U		0.000995	0.00735	1	09/19/2020 15:53	WG1545892
(S) Toluene-d8	*111*			*75.0-131*		*09/19/2020 15:53*	WG1545892
(S) 4-Bromofluorobenzene	*80.5*			*67.0-138*		*09/19/2020 15:53*	WG1545892
(S) 1,2-Dichloroethane-d4	*97.7*			*70.0-130*		*09/19/2020 15:53*	WG1545892

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	4.26	1	09/20/2020 03:53	WG1545989
C28-C40 Oil Range	1.36	J	0.292	4.26	1	09/20/2020 03:53	WG1545989
(S) o-Terphenyl	*74.5*			*18.0-148*		*09/20/2020 03:53*	WG1545989

Method Blank (MB)

(MB) R3572639-1 09/19/20 18:24

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

L1263783-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1263783-01 09/19/20 18:24 • (DUP) R3572639-3 09/19/20 18:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.2	90.0	1	0.229		10

Laboratory Control Sample (LCS)

(LCS) R3572639-2 09/19/20 18:24

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

Method Blank (MB)

(MB) R3572643-1 09/19/20 18:56

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

L1263783-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1263783-11 09/19/20 18:56 • (DUP) R3572643-3 09/19/20 18:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.5	81.5	1	0.0540		10

Laboratory Control Sample (LCS)

(LCS) R3572643-2 09/19/20 18:56

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) R3572490-1 09/20/20 09:28

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

L1263783-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1263783-02 09/20/20 11:35 • (DUP) R3572490-3 09/20/20 11:53

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	67.0	56.3	1	17.4		20

L1263995-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1263995-04 09/20/20 18:02 • (DUP) R3572490-6 09/20/20 18:20

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	7710	7010	20	9.58		20

Laboratory Control Sample (LCS)

(LCS) R3572490-2 09/20/20 09:46

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

L1263783-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1263783-03 09/20/20 12:12 • (MS) R3572490-4 09/20/20 12:30 • (MSD) R3572490-5 09/20/20 12:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	517	128	660	667	103	104	1	80.0-120			0.919	20

Method Blank (MB)

(MB) R3572340-2 09/19/20 16:06

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)	*96.4*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3572340-1 09/19/20 14:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.35	97.3	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	

L1263783-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1263783-09 09/20/20 00:17 • (MS) R3572340-3 09/20/20 00:40 • (MSD) R3572340-4 09/20/20 01:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	317	U	255	258	80.6	81.3	25	10.0-151			0.922	28
(S) a,a,a-Trifluorotoluene(FID)					*104*	*104*		*77.0-120*				

Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3572387-2 09/19/20 16:25

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) R3572387-1 09/19/20 15:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.18	112	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

L1262018-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1262018-15 09/20/20 00:41 • (MS) R3572387-3 09/20/20 01:03 • (MSD) R3572387-4 09/20/20 01:25

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	112	4.61	102	96.8	87.0	82.3	25	10.0-151			5.23	28
(S) a,a,a-Trifluorotoluene(FID)					*101*	*101*		*77.0-120*				

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Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3572305-2 09/19/20 11:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*111*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*99.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3572305-1 09/19/20 10:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.121	96.8	70.0-123	
Ethylbenzene	0.125	0.123	98.4	74.0-126	
Toluene	0.125	0.129	103	75.0-121	
Xylenes, Total	0.375	0.372	99.2	72.0-127	
(S) Toluene-d8			*110*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.8*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*96.5*	*70.0-130*	

L1262647-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1262647-03 09/19/20 16:54 • (MS) R3572305-3 09/19/20 18:34 • (MSD) R3572305-4 09/19/20 18:54

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	0.0975	U	0.0601	0.0745	61.6	76.4	1	10.0-149			21.4	37
Ethylbenzene	0.0975	U	0.0672	0.0776	68.9	79.6	1	10.0-160			14.4	38
Toluene	0.0975	U	0.0870	0.0827	89.2	84.8	1	10.0-156			5.07	38
Xylenes, Total	0.293	U	0.223	0.248	76.1	84.6	1	10.0-160			10.6	38
(S) Toluene-d8					*129*	*107*		*75.0-131*				
(S) 4-Bromofluorobenzene					*114*	*102*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*104*	*100*		*70.0-130*				

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Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3572389-1 09/20/20 02:39

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	U		0.274	4.00
(S) o-Terphenyl	*74.6*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3572389-2 09/20/20 02:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	31.2	62.4	50.0-150	
(S) o-Terphenyl			*72.5*	*18.0-148*	

L1263783-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1263783-02 09/20/20 07:19 • (MS) R3572389-3 09/20/20 07:34 • (MSD) R3572389-4 09/20/20 07:49

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	51.0	3.18	30.8	32.7	54.2	57.3	1	50.0-150			5.90	20
(S) o-Terphenyl					*53.8*	*61.4*		*18.0-148*				

Released to Imaging: 1/29/2021 12:58:05 PM

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.

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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.
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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

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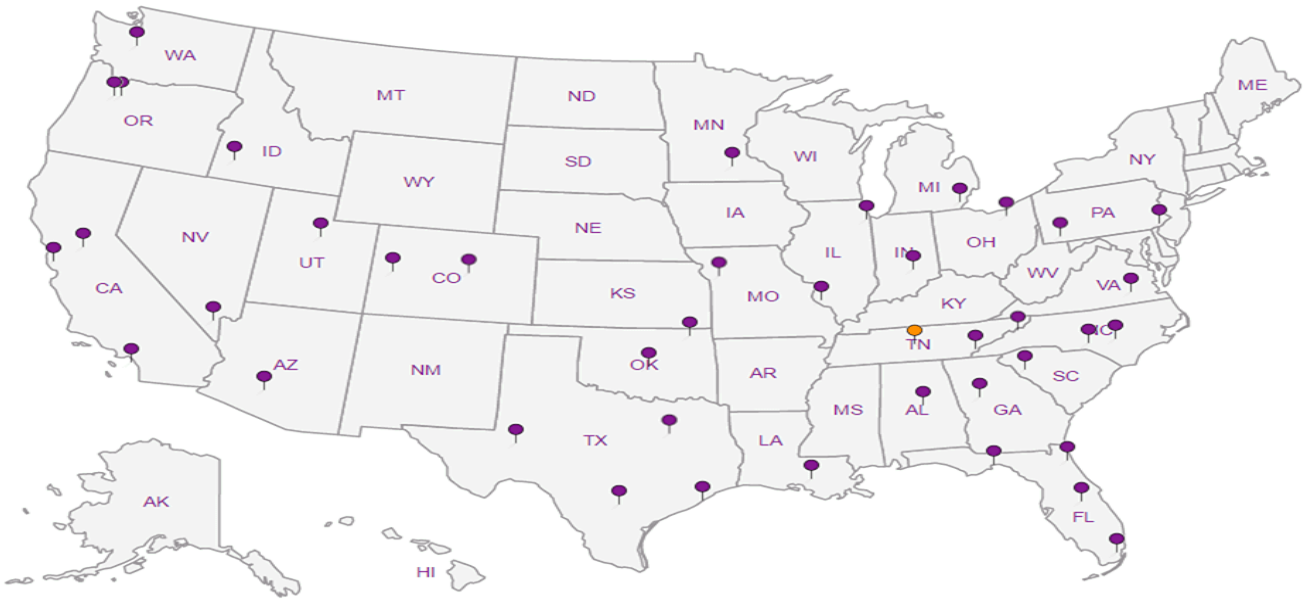


Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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
L1263830 01	H-1 (0-1)	9/15/2020			X				X			1	N	X		X												X						
02	H-2 (0-1)	9/15/2020			X				X			1	N	X		X												X						
03	H-3 (0-1)	9/15/2020			X				X			1	N	X		X												X						
04	H-4 (0-1)	9/15/2020			X				X			1	N	X		X												X						
05	V-1 (1-2)	9/15/2020			X				X			1	N	X		X												X						
06	V-1 (2-3)	9/15/2020			X				X			1	N	X		X												X						X
07	V-1 (3-4)	9/15/2020			X				X			1	N	X		X												X						
08	V-2 (1-2)	9/15/2020			X				X			1	N	X		X												X						
09	V-2 (2-3)	9/15/2020			X				X			1	N	X		X												X						
10	V-2 (3-4)	9/15/2020			X				X			1	N	X		X												X						X

Relinquished by:	Date: 9/16/20	Time: 1500	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by: 09/17/2020 09:30

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

1922 0812 9447

RAD SCREEN: <0.5 mR/hr

1075

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

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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	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
L[illegible]3783-11	V-3 (1-2)	9/15/2020			X				X			1	N	X		X												X						X
12	V-3 (2-3)	9/15/2020			X				X			1	N	X		X												X						
13	V-3 (3-4)	9/15/2020			X				X			1	N	X		X												X						X

Relinquished by: Adrian Garcia Date: 9/16/20 Time: 1500
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Kristy Quiles Date: 09/18/2020 Time: 09:30

ORIGINAL COPY

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

1922 0512 9447 MPAS 2212=24

RAD SCREEN: <0.5 mR/hr

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPTETRA	L1263783	
Cooler Received/Opened On: 9 / 14 / 20 Temperature:	2.4	
Received By: Gisely Quiles		
Signature: Gisely Quiles		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 30, 2020

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1266927
Samples Received:	09/26/2020
Project Number:	212C-MD-02318
Description:	MCA 274 Wellhead Release
Site:	LEA COUNTY, NEW MEXICO
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.

TABLE OF CONTENTS

H-5 (0-1) L1266927-01 Solid

Collected by: Adrian Garcia
Collected date/time: 09/24/20 13:00
Received date/time: 09/26/20 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1550558	1	09/28/20 13:02	09/28/20 13:10	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1550043	1	09/27/20 10:37	09/27/20 20:45	MCG	Mt. Juliet, TN

H-6 (0-1) L1266927-02 Solid

Collected by: Adrian Garcia
Collected date/time: 09/24/20 13:50
Received date/time: 09/26/20 10:00

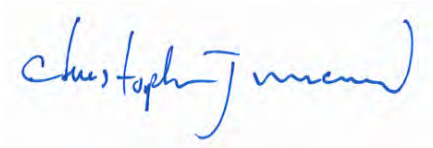
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1550558	1	09/28/20 13:02	09/28/20 13:10	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1550043	1	09/27/20 10:37	09/27/20 20:55	MCG	Mt. Juliet, TN

H-7 (0-1) L1266927-03 Solid

Collected by: Adrian Garcia
Collected date/time: 09/24/20 14:00
Received date/time: 09/26/20 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1550558	1	09/28/20 13:02	09/28/20 13:10	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1550043	1	09/27/20 10:37	09/27/20 21:04	MCG	Mt. Juliet, TN

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



Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.3		1	09/28/2020 13:10	WG1550558

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.1	J	9.27	20.1	1	09/27/2020 20:45	WG1550043

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	09/28/2020 13:10	WG1550558

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	74.3		9.23	20.1	1	09/27/2020 20:55	WG1550043

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.8		1	09/28/2020 13:10	WG1550558

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	171		10.0	21.8	1	09/27/2020 21:04	WG1550043

Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3575529-1 09/28/20 13:10

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

L1266927-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1266927-03 09/28/20 13:10 • (DUP) R3575529-3 09/28/20 13:10

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	91.9	1	0.110		10

Laboratory Control Sample (LCS)

(LCS) R3575529-2 09/28/20 13:10

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

Released to Imaging: 1/29/2021 12:58:05 PM

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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

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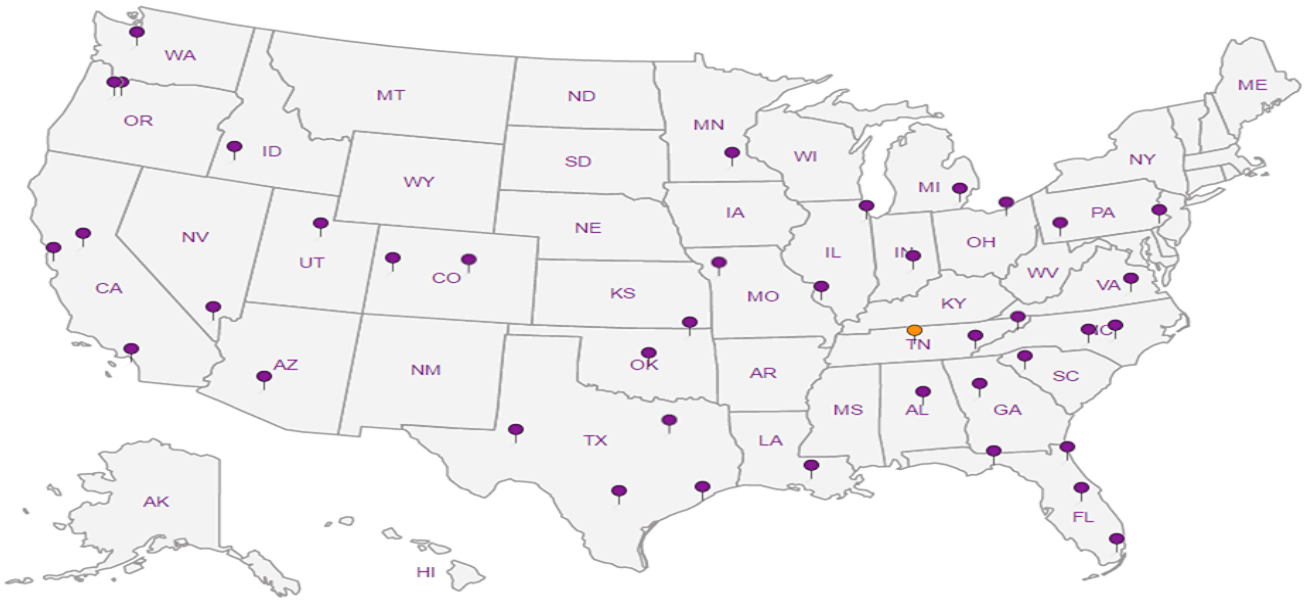
Our Locations

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.



Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

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

L1266927

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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
	H-5 (0-1)	9/24/2020	1300		X				X			1	N															X					-01
	H-6 (0-1)	9/24/2020	1350		X				X			1	N															X					-02
	H-7 (0-1)	9/24/2020	1400		X				X			1	N															X					-03

Relinquished by:	Date: 9/25/20	Time: 13:00	Received by:	Date: 9.25.20	Time: 13:00
Relinquished by:	Date: 9.25.20	Time: 14:30	Received by:	Date: 9.25.20	Time: 14:30
Relinquished by:	Date:	Time:	Received by:	Date: 9/26/20	Time: 1000

ORIGINAL COPY

C192

NRB .8+1=.9

LAB USE ONLY

Sample Temperature

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

RAD SCREEN: <0.5 mR/hr

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPTETRA	LR246927	
Cooler Received/Opened On: 9/26/20 Temperature:	0.9°C	
Received By: LUCAS GREEN		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 22, 2020

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1275172
Samples Received:	10/20/2020
Project Number:	212C-MD-02318
Description:	MCA 274 Wellhead Release
Site:	LEA COUNTY, NEW MEXICO
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.

TABLE OF CONTENTS

FS-1 (1') L1275172-01 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 13:00 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1561847	1	10/20/20 14:13	10/20/20 16:06	LBR	Mt. Juliet, TN

FS-1 (1') L1275172-02 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 13:00 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1562426	1	10/20/20 15:33	10/21/20 05:29	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562423	1	10/20/20 15:33	10/21/20 02:13	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1562190	1	10/20/20 16:42	10/21/20 04:52	DMG	Mt. Juliet, TN

ESW-1 L1275172-03 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 13:10 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1561847	1	10/20/20 14:13	10/20/20 16:15	LBR	Mt. Juliet, TN

ESW-1 L1275172-04 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 13:10 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1562426	1	10/20/20 15:33	10/21/20 05:49	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562423	1	10/20/20 15:33	10/21/20 02:33	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1562190	1	10/20/20 16:42	10/21/20 05:05	DMG	Mt. Juliet, TN

ESW-2 L1275172-05 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 13:20 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1561847	1	10/20/20 14:13	10/20/20 16:25	LBR	Mt. Juliet, TN

ESW-2 L1275172-06 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 13:20 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1562426	1	10/20/20 15:33	10/21/20 06:10	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562423	1	10/20/20 15:33	10/21/20 02:54	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1562190	1	10/20/20 16:42	10/21/20 05:18	DMG	Mt. Juliet, TN

WSW-1 L1275172-07 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 14:00 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1561847	1	10/20/20 14:13	10/20/20 16:34	LBR	Mt. Juliet, TN

WSW-1 L1275172-08 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 14:00 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1562426	1	10/20/20 15:33	10/21/20 06:31	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562423	1	10/20/20 15:33	10/21/20 03:14	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1562190	1	10/20/20 16:42	10/21/20 05:31	DMG	Mt. Juliet, TN

WSW-2 L1275172-09 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 14:10 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1561847	1	10/20/20 14:13	10/20/20 16:44	LBR	Mt. Juliet, TN

WSW-2 L1275172-10 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 14:10 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1562426	1	10/20/20 15:33	10/21/20 06:51	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562423	1	10/20/20 15:33	10/21/20 03:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1562190	1	10/20/20 16:42	10/21/20 10:55	DMG	Mt. Juliet, TN

WSW-3 L1275172-11 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 14:30 | Received date/time: 10/20/20 08:45

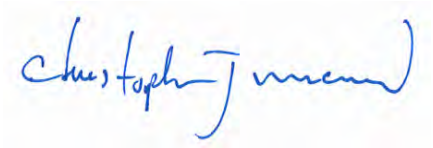
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	MT	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1561847	1	10/20/20 14:13	10/20/20 16:53	LBR	Mt. Juliet, TN

WSW-3 L1275172-12 Solid

Collected by: Joe Tyler | Collected date/time: 10/19/20 14:30 | Received date/time: 10/20/20 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1562125	1	10/20/20 12:08	10/20/20 12:15	JAV	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1562426	1	10/20/20 15:33	10/21/20 07:12	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1562423	1	10/20/20 15:33	10/21/20 03:55	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1562190	1	10/20/20 16:42	10/21/20 10:42	DMG	Mt. Juliet, TN

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



Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.9		1	10/20/2020 12:15	WG1562125

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	315		9.31	20.2	1	10/20/2020 16:06	WG1561847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.9		1	10/20/2020 12:15	WG1562125

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	0.0393	B J	0.0219	0.101	1	10/21/2020 05:29	WG1562426
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*77.0-120*		*10/21/2020 05:29*	WG1562426

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	10/21/2020 02:13	WG1562423
Toluene	U		0.00133	0.00511	1	10/21/2020 02:13	WG1562423
Ethylbenzene	U		0.000754	0.00256	1	10/21/2020 02:13	WG1562423
Total Xylenes	U		0.000900	0.00665	1	10/21/2020 02:13	WG1562423
(S) Toluene-d8	*106*			*75.0-131*		*10/21/2020 02:13*	WG1562423
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*10/21/2020 02:13*	WG1562423
(S) 1,2-Dichloroethane-d4	*79.9*			*70.0-130*		*10/21/2020 02:13*	WG1562423

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		1.63	4.05	1	10/21/2020 04:52	WG1562190
C28-C40 Oil Range	U		0.277	4.05	1	10/21/2020 04:52	WG1562190
(S) o-Terphenyl	*65.6*			*18.0-148*		*10/21/2020 04:52*	WG1562190

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	10/20/2020 12:15	WG1562125

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	195		9.90	21.5	1	10/20/2020 16:15	WG1561847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	10/20/2020 12:15	WG1562125

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	0.0330	B J	0.0234	0.108	1	10/21/2020 05:49	WG1562426
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*		*10/21/2020 05:49*	WG1562426

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		0.000538	0.00115	1	10/21/2020 02:33	WG1562423
Toluene	U		0.00150	0.00576	1	10/21/2020 02:33	WG1562423
Ethylbenzene	U		0.000850	0.00288	1	10/21/2020 02:33	WG1562423
Total Xylenes	U		0.00101	0.00749	1	10/21/2020 02:33	WG1562423
(S) Toluene-d8	*108*			*75.0-131*		*10/21/2020 02:33*	WG1562423
(S) 4-Bromofluorobenzene	*95.3*			*67.0-138*		*10/21/2020 02:33*	WG1562423
(S) 1,2-Dichloroethane-d4	*85.2*			*70.0-130*		*10/21/2020 02:33*	WG1562423

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	10/21/2020 05:05	WG1562190
C28-C40 Oil Range	U		0.295	4.30	1	10/21/2020 05:05	WG1562190
(S) o-Terphenyl	*65.7*			*18.0-148*		*10/21/2020 05:05*	WG1562190

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.1		1	10/20/2020 12:15	WG1562125

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	227		9.29	20.2	1	10/20/2020 16:25	WG1561847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.1		1	10/20/2020 12:15	WG1562125

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	0.0322	B J	0.0219	0.101	1	10/21/2020 06:10	WG1562426
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*77.0-120*		*10/21/2020 06:10*	WG1562426

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		0.000476	0.00102	1	10/21/2020 02:54	WG1562423
Toluene	U		0.00132	0.00510	1	10/21/2020 02:54	WG1562423
Ethylbenzene	U		0.000751	0.00255	1	10/21/2020 02:54	WG1562423
Total Xylenes	U		0.000897	0.00662	1	10/21/2020 02:54	WG1562423
(S) Toluene-d8	*104*			*75.0-131*		*10/21/2020 02:54*	WG1562423
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*10/21/2020 02:54*	WG1562423
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*		*10/21/2020 02:54*	WG1562423

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		1.63	4.04	1	10/21/2020 05:18	WG1562190
C28-C40 Oil Range	U		0.277	4.04	1	10/21/2020 05:18	WG1562190
(S) o-Terphenyl	*65.1*			*18.0-148*		*10/21/2020 05:18*	WG1562190

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/20/2020 12:15	WG1562125

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	479		9.23	20.1	1	10/20/2020 16:34	WG1561847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/20/2020 12:15	WG1562125

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	0.0297	B J	0.0218	0.100	1	10/21/2020 06:31	WG1562426
(S) a,a,a-Trifluorotoluene(FID)	*94.7*			*77.0-120*		*10/21/2020 06:31*	WG1562426

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		0.000470	0.00101	1	10/21/2020 03:14	WG1562423
Toluene	U		0.00131	0.00504	1	10/21/2020 03:14	WG1562423
Ethylbenzene	U		0.000742	0.00252	1	10/21/2020 03:14	WG1562423
Total Xylenes	U		0.000886	0.00655	1	10/21/2020 03:14	WG1562423
(S) Toluene-d8	*106*			*75.0-131*		*10/21/2020 03:14*	WG1562423
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*10/21/2020 03:14*	WG1562423
(S) 1,2-Dichloroethane-d4	*88.3*			*70.0-130*		*10/21/2020 03:14*	WG1562423

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	10.4		1.62	4.01	1	10/21/2020 05:31	WG1562190
C28-C40 Oil Range	15.0		0.275	4.01	1	10/21/2020 05:31	WG1562190
(S) o-Terphenyl	*72.3*			*18.0-148*		*10/21/2020 05:31*	WG1562190

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.4		1	10/20/2020 12:15	WG1562125

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	201		9.26	20.1	1	10/20/2020 16:44	WG1561847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.4		1	10/20/2020 12:15	WG1562125

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	0.0289	B J	0.0218	0.101	1	10/21/2020 06:51	WG1562426
(S) a,a,a-Trifluorotoluene(FID)	*94.8*			*77.0-120*		*10/21/2020 06:51*	WG1562426

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		0.000473	0.00101	1	10/21/2020 03:34	WG1562423
Toluene	U		0.00132	0.00507	1	10/21/2020 03:34	WG1562423
Ethylbenzene	U		0.000747	0.00253	1	10/21/2020 03:34	WG1562423
Total Xylenes	U		0.000892	0.00659	1	10/21/2020 03:34	WG1562423
(S) Toluene-d8	*106*			*75.0-131*		*10/21/2020 03:34*	WG1562423
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*10/21/2020 03:34*	WG1562423
(S) 1,2-Dichloroethane-d4	*86.0*			*70.0-130*		*10/21/2020 03:34*	WG1562423

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	2.19	J	1.62	4.03	1	10/21/2020 10:55	WG1562190
C28-C40 Oil Range	7.26		0.276	4.03	1	10/21/2020 10:55	WG1562190
(S) o-Terphenyl	*71.1*			*18.0-148*		*10/21/2020 10:55*	WG1562190

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	10/20/2020 12:15	WG1562125

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	174		9.44	20.5	1	10/20/2020 16:53	WG1561847

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	10/20/2020 12:15	WG1562125

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	0.0300	B J	0.0223	0.103	1	10/21/2020 07:12	WG1562426
(S) a,a,a-Trifluorotoluene(FID)	*95.0*			*77.0-120*		*10/21/2020 07:12*	WG1562426

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000492	0.00105	1	10/21/2020 03:55	WG1562423
Toluene	U		0.00137	0.00526	1	10/21/2020 03:55	WG1562423
Ethylbenzene	U		0.000776	0.00263	1	10/21/2020 03:55	WG1562423
Total Xylenes	U		0.000926	0.00684	1	10/21/2020 03:55	WG1562423
(S) Toluene-d8	*106*			*75.0-131*		*10/21/2020 03:55*	WG1562423
(S) 4-Bromofluorobenzene	*95.7*			*67.0-138*		*10/21/2020 03:55*	WG1562423
(S) 1,2-Dichloroethane-d4	*87.1*			*70.0-130*		*10/21/2020 03:55*	WG1562423

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	4.11	1	10/21/2020 10:42	WG1562190
C28-C40 Oil Range	4.58		0.281	4.11	1	10/21/2020 10:42	WG1562190
(S) o-Terphenyl	*67.8*			*18.0-148*		*10/21/2020 10:42*	WG1562190

Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3583615-1 10/20/20 12:15

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

L1275172-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1275172-11 10/20/20 12:15 • (DUP) R3583615-3 10/20/20 12:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.4	96.9	1	0.542		10

Laboratory Control Sample (LCS)

(LCS) R3583615-2 10/20/20 12:15

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

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Method Blank (MB)

(MB) R3583592-1 10/20/20 15:37

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

L1275172-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1275172-11 10/20/20 16:53 • (DUP) R3583592-3 10/20/20 17:03

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	174	210	1	18.7		20

L1273558-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1273558-01 10/20/20 17:57 • (DUP) R3583592-4 10/20/20 18:06

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	118	119	1	0.699		20

Laboratory Control Sample (LCS)

(LCS) R3583592-2 10/20/20 15:46

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	191	95.4	90.0-110	

L1273558-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273558-02 10/20/20 18:15 • (MS) R3583592-5 10/20/20 18:25 • (MSD) R3583592-6 10/20/20 18:34

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	77.6	567	478	97.9	80.0	1	80.0-120			17.1	20

Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3584371-2 10/21/20 04:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0333	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3584371-1 10/21/20 03:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.02	109	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*112*	*77.0-120*	

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Received by OCD: 11/6/2020 1:39:16 PM

Method Blank (MB)

(MB) R3584290-3 10/21/20 01:33

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	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*83.8*			*70.0-130*

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

(LCS) R3584290-1 10/21/20 00:12 • (LCSD) R3584290-2 10/21/20 00:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.141	0.138	113	110	70.0-123			2.15	20
Ethylbenzene	0.125	0.132	0.123	106	98.4	74.0-126			7.06	20
Toluene	0.125	0.135	0.135	108	108	75.0-121			0.000	20
Xylenes, Total	0.375	0.381	0.370	102	98.7	72.0-127			2.93	20
(S) Toluene-d8				*108*	*111*	*75.0-131*				
(S) 4-Bromofluorobenzene				*95.1*	*98.1*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*85.3*	*90.4*	*70.0-130*				

L1273428-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273428-16 10/21/20 08:21 • (MS) R3584290-4 10/21/20 08:41 • (MSD) R3584290-5 10/21/20 09:02

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	0.173	0.0471	0.142	0.149	55.0	59.0	1	10.0-149			4.78	37
Ethylbenzene	0.173	3.46	2.72	2.93	0.000	0.000	1	10.0-160	V	V	7.41	38
Toluene	0.173	4.43	3.79	3.93	0.000	0.000	1	10.0-156	E V	E V	3.61	38
Xylenes, Total	0.519	19.0	16.0	16.7	0.000	0.000	1	10.0-160	V	V	4.26	38
(S) Toluene-d8					*106*	*106*		*75.0-131*				
(S) 4-Bromofluorobenzene					*93.1*	*94.4*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*79.5*	*79.7*		*70.0-130*				

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Method Blank (MB)

(MB) R3583816-1 10/21/20 03:32

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	U		0.274	4.00
(S) o-Terphenyl	*63.7*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3583816-2 10/21/20 03:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	30.0	60.0	50.0-150	
(S) o-Terphenyl			*75.5*	*18.0-148*	

L1273324-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273324-01 10/21/20 11:09 • (MS) R3583816-3 10/21/20 11:22 • (MSD) R3583816-4 10/21/20 11:35

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	49.8	1.69	27.4	22.9	51.6	42.6	1	50.0-150		J6	17.9	20
(S) o-Terphenyl					*65.4*	*57.7*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

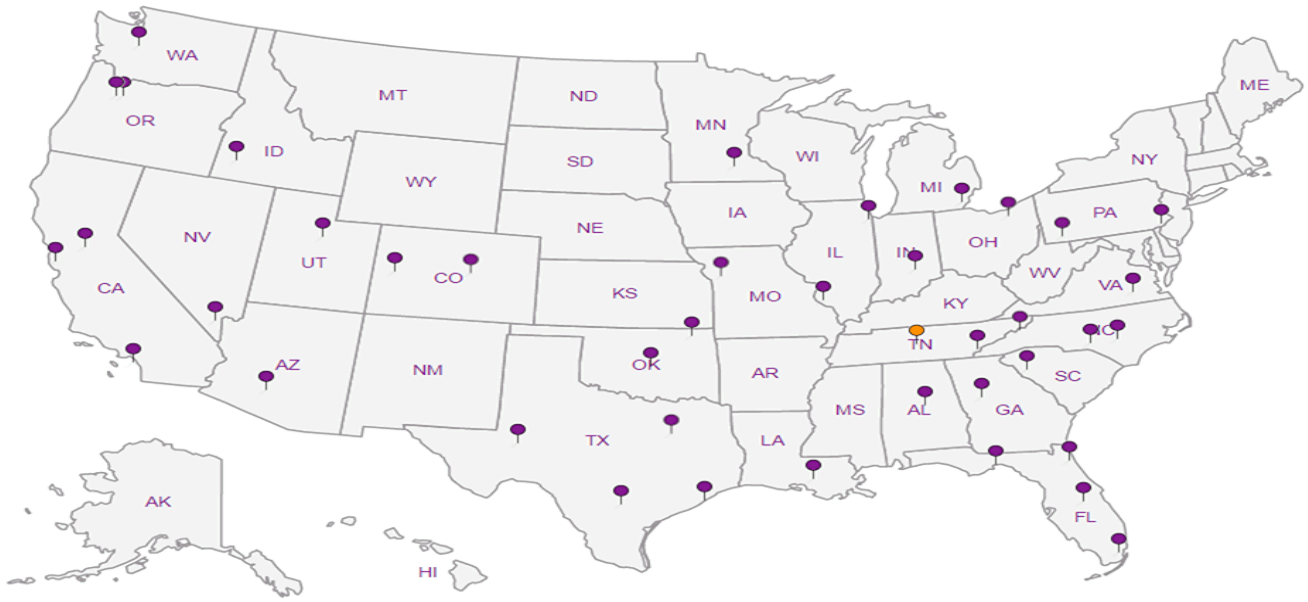
Third Party Federal Accreditations

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.



Analysis Request Chain of Custody Record

Page 1 of 1

Tetra Tech, Inc.

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

4275172

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Joe Tyler
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
-01/-02	FS-1 (1')	10-19-20	1300		X			X		1	N	X		X											X						-01
-03/-04	ESW-1	↓	1310		X			X		1	N	X		X											X						-03
-05/-06	ESW-2		1320		X			X		1	N	X		X											X						-05
-07/-08	WSW-1		1400		X			X		1	N	X		X											X						-07
-09/-10	WSW-2		1410		X			X		1	N	X		X											X						-09
-11/-12	WSW-3	↓	1430		X			X		1	N	X		X											X						-11

Relinquished by:	Date: 10-19-20	Time: 17:00	Received by:
Relinquished by:	Date: 10.19.20	Time: 17:45	Received by: FedEx
Relinquished by:	Date:	Time:	Received by: Date: 10/20/20 Time: 8:45

ORIGINAL COPY

NPAS 9.1.2.9

LAB USE ONLY
Sample Temperature

REMARKS:
- ☐ Standard
- ☒ RUSH (24 hr.)
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: 1922 0813 3049

C144

HEADSCREEN: <0.5 mR/hr

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: COPTETBA		U275172
Cooler Received/Opened On: 10/20/20 Temperature:	0.9°C	
Received By: Lucas Green		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical®
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ANALYTICAL REPORT

October 27, 2020

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1276281
Samples Received:	10/22/2020
Project Number:	212C-MD-02318
Description:	MCA 274 Wellhead Release
Site:	LEA COUNTY, NEW MEXICO
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.

NSW-1 L1276281-01 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 10:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 06:47	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/23/20 21:44	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/24/20 23:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 19:21	JN	Mt. Juliet, TN

NSW-2 L1276281-02 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 10:20 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 07:06	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1.01	10/22/20 18:49	10/23/20 22:05	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1565717	1.01	10/22/20 18:49	10/26/20 15:48	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 20:12	JN	Mt. Juliet, TN

NSW-3 L1276281-03 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 10:40 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 07:16	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/23/20 22:26	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 00:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 20:25	JN	Mt. Juliet, TN

NSW-4 L1276281-04 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 11:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 07:25	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/23/20 22:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 00:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 15:57	JN	Mt. Juliet, TN

NSW-5 L1276281-05 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 11:20 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 07:35	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/23/20 23:08	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1565717	1	10/22/20 18:49	10/26/20 16:06	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 16:09	JN	Mt. Juliet, TN

NSW-6 L1276281-06 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 11:40 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 07:44	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/23/20 23:29	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 01:15	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 16:22	JN	Mt. Juliet, TN

NSW-7 L1276281-07 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 12:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564493	1	10/24/20 04:19	10/24/20 04:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 07:54	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/23/20 23:50	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 01:34	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 16:35	JN	Mt. Juliet, TN

SSW-1 L1276281-08 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 12:20 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 08:23	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/24/20 00:10	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 01:53	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 16:48	JN	Mt. Juliet, TN

SSW-2 L1276281-09 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 12:40 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 08:32	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1	10/22/20 18:49	10/24/20 00:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 02:12	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 17:00	JN	Mt. Juliet, TN

SSW-3 L1276281-10 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 13:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 09:01	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564510	1.01	10/22/20 18:49	10/24/20 00:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 02:31	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 17:13	JN	Mt. Juliet, TN

SSW-4 L1276281-11 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 13:20 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 09:10	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 05:51	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 02:50	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 17:26	JN	Mt. Juliet, TN

SSW-5 L1276281-12 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 13:40 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 09:20	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 06:12	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 03:09	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 17:39	JN	Mt. Juliet, TN

SSW-6 L1276281-13 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 14:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 09:29	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 06:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 03:29	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 17:52	JN	Mt. Juliet, TN

SSW-7 L1276281-14 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 14:20 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 09:39	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 06:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 03:48	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 18:04	JN	Mt. Juliet, TN

ESW-3 L1276281-15 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 14:40 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 09:48	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 07:15	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 04:07	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 18:17	JN	Mt. Juliet, TN

ESW-4 L1276281-16 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 15:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 10:17	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 07:36	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 04:26	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 18:30	JN	Mt. Juliet, TN

ESW-5 L1276281-17 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 15:20 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564495	1	10/26/20 08:34	10/26/20 08:41	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 10:36	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 07:57	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 04:45	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 18:43	JN	Mt. Juliet, TN

ESW-6 L1276281-18 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 15:40 | Received date/time: 10/22/20 09:00

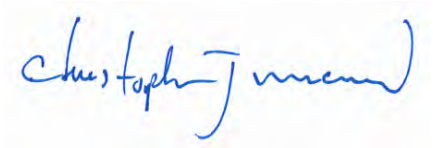
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564496	1	10/26/20 08:42	10/26/20 08:49	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 10:45	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 08:18	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 05:04	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 18:55	JN	Mt. Juliet, TN

ESW-7 L1276281-19 Solid

Collected by: Adrian Garcia | Collected date/time: 10/20/20 16:00 | Received date/time: 10/22/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1564496	1	10/26/20 08:42	10/26/20 08:49	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1564052	1	10/22/20 23:30	10/23/20 10:55	GB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1564548	1	10/22/20 18:49	10/24/20 08:39	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1564910	1	10/22/20 18:49	10/25/20 05:23	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1564571	1	10/24/20 07:21	10/24/20 19:08	JN	Mt. Juliet, TN

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



Chris McCord
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.8		1	10/24/2020 04:27	WG1564493

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.31	20.2	1	10/23/2020 06:47	WG1564052

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	10/23/2020 21:44	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*10/23/2020 21:44*	WG1564510

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	10/24/2020 23:39	WG1564910
Toluene	U		0.00133	0.00512	1	10/24/2020 23:39	WG1564910
Ethylbenzene	U		0.000754	0.00256	1	10/24/2020 23:39	WG1564910
Total Xylenes	U		0.000901	0.00665	1	10/24/2020 23:39	WG1564910
(S) Toluene-d8	*109*			*75.0-131*		*10/24/2020 23:39*	WG1564910
(S) 4-Bromofluorobenzene	*78.8*			*67.0-138*		*10/24/2020 23:39*	WG1564910
(S) 1,2-Dichloroethane-d4	*98.5*			*70.0-130*		*10/24/2020 23:39*	WG1564910

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	7.22		1.63	4.05	1	10/24/2020 19:21	WG1564571
C28-C40 Oil Range	15.3		0.277	4.05	1	10/24/2020 19:21	WG1564571
(S) o-Terphenyl	*58.3*			*18.0-148*		*10/24/2020 19:21*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.3		1	10/24/2020 04:27	WG1564493

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	40.1		9.26	20.1	1	10/23/2020 07:06	WG1564052

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0221	0.102	1.01	10/23/2020 22:05	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*10/23/2020 22:05*	WG1564510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00107	B	0.000479	0.00102	1.01	10/26/2020 15:48	WG1565717
Toluene	0.00435	J	0.00133	0.00512	1.01	10/26/2020 15:48	WG1565717
Ethylbenzene	U		0.000754	0.00257	1.01	10/26/2020 15:48	WG1565717
Total Xylenes	0.00256	J	0.000901	0.00665	1.01	10/26/2020 15:48	WG1565717
(S) Toluene-d8	*97.6*			*75.0-131*		*10/26/2020 15:48*	WG1565717
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*10/26/2020 15:48*	WG1565717
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/26/2020 15:48*	WG1565717

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	11.9		1.62	4.03	1	10/24/2020 20:12	WG1564571
C28-C40 Oil Range	38.7		0.276	4.03	1	10/24/2020 20:12	WG1564571
(S) o-Terphenyl	*62.7*			*18.0-148*		*10/24/2020 20:12*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.0		1	10/24/2020 04:27	WG1564493

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	13.3	J	9.29	20.2	1	10/23/2020 07:16	WG1564052

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		0.0219	0.101	1	10/23/2020 22:26	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*10/23/2020 22:26*	WG1564510

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		0.000476	0.00102	1	10/25/2020 00:17	WG1564910
Toluene	U		0.00133	0.00510	1	10/25/2020 00:17	WG1564910
Ethylbenzene	U		0.000752	0.00255	1	10/25/2020 00:17	WG1564910
Total Xylenes	U		0.000898	0.00663	1	10/25/2020 00:17	WG1564910
(S) Toluene-d8	*146*	J1		*75.0-131*		*10/25/2020 00:17*	WG1564910
(S) 4-Bromofluorobenzene	*81.1*			*67.0-138*		*10/25/2020 00:17*	WG1564910
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*10/25/2020 00:17*	WG1564910

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	4.32		1.63	4.04	1	10/24/2020 20:25	WG1564571
C28-C40 Oil Range	23.4		0.277	4.04	1	10/24/2020 20:25	WG1564571
(S) o-Terphenyl	*74.4*			*18.0-148*		*10/24/2020 20:25*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/24/2020 04:27	WG1564493

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.24	20.1	1	10/23/2020 07:25	WG1564052

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	0.0321	J	0.0218	0.100	1	10/23/2020 22:47	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/23/2020 22:47*	WG1564510

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		0.000471	0.00101	1	10/25/2020 00:36	WG1564910
Toluene	U		0.00131	0.00504	1	10/25/2020 00:36	WG1564910
Ethylbenzene	U		0.000743	0.00252	1	10/25/2020 00:36	WG1564910
Total Xylenes	U		0.000887	0.00655	1	10/25/2020 00:36	WG1564910
(S) Toluene-d8	*107*			*75.0-131*		*10/25/2020 00:36*	WG1564910
(S) 4-Bromofluorobenzene	*98.2*			*67.0-138*		*10/25/2020 00:36*	WG1564910
(S) 1,2-Dichloroethane-d4	*98.5*			*70.0-130*		*10/25/2020 00:36*	WG1564910

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		1.62	4.02	1	10/24/2020 15:57	WG1564571
C28-C40 Oil Range	2.39	B J	0.275	4.02	1	10/24/2020 15:57	WG1564571
(S) o-Terphenyl	*76.3*			*18.0-148*		*10/24/2020 15:57*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.5		1	10/24/2020 04:27	WG1564493

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.24	20.1	1	10/23/2020 07:35	WG1564052

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		0.0218	0.100	1	10/23/2020 23:08	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*10/23/2020 23:08*	WG1564510

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00114	B	0.000471	0.00101	1	10/26/2020 16:06	WG1565717
Toluene	0.00518		0.00131	0.00505	1	10/26/2020 16:06	WG1565717
Ethylbenzene	U		0.000744	0.00252	1	10/26/2020 16:06	WG1565717
Total Xylenes	0.00192	J	0.000888	0.00656	1	10/26/2020 16:06	WG1565717
(S) Toluene-d8	*96.6*			*75.0-131*		*10/26/2020 16:06*	WG1565717
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*10/26/2020 16:06*	WG1565717
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*		*10/26/2020 16:06*	WG1565717

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		1.62	4.02	1	10/24/2020 16:09	WG1564571
C28-C40 Oil Range	4.64	B	0.275	4.02	1	10/24/2020 16:09	WG1564571
(S) o-Terphenyl	*66.3*			*18.0-148*		*10/24/2020 16:09*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.1		1	10/24/2020 04:27	WG1564493

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	12.9	J	9.28	20.2	1	10/23/2020 07:44	WG1564052

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		0.0219	0.101	1	10/23/2020 23:29	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*10/23/2020 23:29*	WG1564510

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		0.000476	0.00102	1	10/25/2020 01:15	WG1564910
Toluene	U		0.00132	0.00509	1	10/25/2020 01:15	WG1564910
Ethylbenzene	U		0.000751	0.00255	1	10/25/2020 01:15	WG1564910
Total Xylenes	U		0.000896	0.00662	1	10/25/2020 01:15	WG1564910
(S) Toluene-d8	*108*			*75.0-131*		*10/25/2020 01:15*	WG1564910
(S) 4-Bromofluorobenzene	*73.4*			*67.0-138*		*10/25/2020 01:15*	WG1564910
(S) 1,2-Dichloroethane-d4	*95.1*			*70.0-130*		*10/25/2020 01:15*	WG1564910

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		1.62	4.04	1	10/24/2020 16:22	WG1564571
C28-C40 Oil Range	5.64		0.277	4.04	1	10/24/2020 16:22	WG1564571
(S) o-Terphenyl	*68.0*			*18.0-148*		*10/24/2020 16:22*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/24/2020 04:27	WG1564493

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	15.1	J	9.24	20.1	1	10/23/2020 07:54	WG1564052

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		0.0218	0.100	1	10/23/2020 23:50	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*110*			*77.0-120*		*10/23/2020 23:50*	WG1564510

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		0.000471	0.00101	1	10/25/2020 01:34	WG1564910
Toluene	U		0.00131	0.00504	1	10/25/2020 01:34	WG1564910
Ethylbenzene	U		0.000743	0.00252	1	10/25/2020 01:34	WG1564910
Total Xylenes	U		0.000887	0.00655	1	10/25/2020 01:34	WG1564910
(S) Toluene-d8	*103*			*75.0-131*		*10/25/2020 01:34*	WG1564910
(S) 4-Bromofluorobenzene	*98.3*			*67.0-138*		*10/25/2020 01:34*	WG1564910
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*10/25/2020 01:34*	WG1564910

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	1.96	J	1.62	4.02	1	10/24/2020 16:35	WG1564571
C28-C40 Oil Range	7.98		0.275	4.02	1	10/24/2020 16:35	WG1564571
(S) o-Terphenyl	*66.8*			*18.0-148*		*10/24/2020 16:35*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.1		1	10/26/2020 08:41	WG1564495

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	221		9.47	20.6	1	10/23/2020 08:23	WG1564052

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	0.0690	J	0.0223	0.103	1	10/24/2020 00:10	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*109*			*77.0-120*		*10/24/2020 00:10*	WG1564510

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		0.000495	0.00106	1	10/25/2020 01:53	WG1564910
Toluene	U		0.00138	0.00530	1	10/25/2020 01:53	WG1564910
Ethylbenzene	U		0.000781	0.00265	1	10/25/2020 01:53	WG1564910
Total Xylenes	U		0.000932	0.00689	1	10/25/2020 01:53	WG1564910
(S) Toluene-d8	*118*			*75.0-131*		*10/25/2020 01:53*	WG1564910
(S) 4-Bromofluorobenzene	*136*			*67.0-138*		*10/25/2020 01:53*	WG1564910
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/25/2020 01:53*	WG1564910

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		1.66	4.12	1	10/24/2020 16:48	WG1564571
C28-C40 Oil Range	2.47	B J	0.282	4.12	1	10/24/2020 16:48	WG1564571
(S) o-Terphenyl	*67.5*			*18.0-148*		*10/24/2020 16:48*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.2		1	10/26/2020 08:41	WG1564495

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	430		9.56	20.8	1	10/23/2020 08:32	WG1564052

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	10/24/2020 00:31	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*10/24/2020 00:31*	WG1564510

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	10/25/2020 02:12	WG1564910
Toluene	U		0.00140	0.00539	1	10/25/2020 02:12	WG1564910
Ethylbenzene	U		0.000794	0.00269	1	10/25/2020 02:12	WG1564910
Total Xylenes	U		0.000949	0.00701	1	10/25/2020 02:12	WG1564910
(S) Toluene-d8	*133*	J1		*75.0-131*		*10/25/2020 02:12*	WG1564910
(S) 4-Bromofluorobenzene	*78.2*			*67.0-138*		*10/25/2020 02:12*	WG1564910
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*10/25/2020 02:12*	WG1564910

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	4.16	1	10/24/2020 17:00	WG1564571
C28-C40 Oil Range	1.94	B J	0.285	4.16	1	10/24/2020 17:00	WG1564571
(S) o-Terphenyl	*66.0*			*18.0-148*		*10/24/2020 17:00*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/26/2020 08:41	WG1564495

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	192		9.23	20.1	1	10/23/2020 09:01	WG1564052

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	0.0392	J	0.0220	0.101	1.01	10/24/2020 00:52	WG1564510
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-120*		*10/24/2020 00:52*	WG1564510

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		0.000471	0.00101	1	10/25/2020 02:31	WG1564910
Toluene	U		0.00131	0.00504	1	10/25/2020 02:31	WG1564910
Ethylbenzene	U		0.000743	0.00252	1	10/25/2020 02:31	WG1564910
Total Xylenes	U		0.000887	0.00655	1	10/25/2020 02:31	WG1564910
(S) Toluene-d8	*111*			*75.0-131*		*10/25/2020 02:31*	WG1564910
(S) 4-Bromofluorobenzene	*127*			*67.0-138*		*10/25/2020 02:31*	WG1564910
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*10/25/2020 02:31*	WG1564910

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		1.62	4.02	1	10/24/2020 17:13	WG1564571
C28-C40 Oil Range	3.79	B J	0.275	4.02	1	10/24/2020 17:13	WG1564571
(S) o-Terphenyl	*70.9*			*18.0-148*		*10/24/2020 17:13*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/26/2020 08:41	WG1564495

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	193		9.23	20.1	1	10/23/2020 09:10	WG1564052

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	0.0639	J	0.0218	0.100	1	10/24/2020 05:51	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*10/24/2020 05:51*	WG1564548

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		0.000470	0.00101	1	10/25/2020 02:50	WG1564910
Toluene	U		0.00131	0.00504	1	10/25/2020 02:50	WG1564910
Ethylbenzene	U		0.000742	0.00252	1	10/25/2020 02:50	WG1564910
Total Xylenes	U		0.000887	0.00655	1	10/25/2020 02:50	WG1564910
(S) Toluene-d8	*67.1*	J2		*75.0-131*		*10/25/2020 02:50*	WG1564910
(S) 4-Bromofluorobenzene	*98.4*			*67.0-138*		*10/25/2020 02:50*	WG1564910
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*10/25/2020 02:50*	WG1564910

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		1.62	4.01	1	10/24/2020 17:26	WG1564571
C28-C40 Oil Range	2.97	B J	0.275	4.01	1	10/24/2020 17:26	WG1564571
(S) o-Terphenyl	*65.8*			*18.0-148*		*10/24/2020 17:26*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.8		1	10/26/2020 08:41	WG1564495

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	73.9		9.31	20.2	1	10/23/2020 09:20	WG1564052

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	0.0228	J	0.0220	0.101	1	10/24/2020 06:12	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*10/24/2020 06:12*	WG1564548

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		0.000479	0.00102	1	10/25/2020 03:09	WG1564910
Toluene	U		0.00133	0.00512	1	10/25/2020 03:09	WG1564910
Ethylbenzene	U		0.000755	0.00256	1	10/25/2020 03:09	WG1564910
Total Xylenes	U		0.000902	0.00666	1	10/25/2020 03:09	WG1564910
(S) Toluene-d8	*85.8*			*75.0-131*		*10/25/2020 03:09*	WG1564910
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*		*10/25/2020 03:09*	WG1564910
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*10/25/2020 03:09*	WG1564910

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	2.52	J	1.63	4.05	1	10/24/2020 17:39	WG1564571
C28-C40 Oil Range	12.6		0.277	4.05	1	10/24/2020 17:39	WG1564571
(S) o-Terphenyl	*66.9*			*18.0-148*		*10/24/2020 17:39*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.3		1	10/26/2020 08:41	WG1564495

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	54.3		9.26	20.1	1	10/23/2020 09:29	WG1564052

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		0.0219	0.101	1	10/24/2020 06:33	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*10/24/2020 06:33*	WG1564548

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		0.000474	0.00101	1	10/25/2020 03:29	WG1564910
Toluene	U		0.00132	0.00507	1	10/25/2020 03:29	WG1564910
Ethylbenzene	U		0.000747	0.00254	1	10/25/2020 03:29	WG1564910
Total Xylenes	U		0.000892	0.00659	1	10/25/2020 03:29	WG1564910
(S) Toluene-d8	*171*	J1		*75.0-131*		*10/25/2020 03:29*	WG1564910
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/25/2020 03:29*	WG1564910
(S) 1,2-Dichloroethane-d4	*97.8*			*70.0-130*		*10/25/2020 03:29*	WG1564910

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	1.80	J	1.62	4.03	1	10/24/2020 17:52	WG1564571
C28-C40 Oil Range	3.16	B J	0.276	4.03	1	10/24/2020 17:52	WG1564571
(S) o-Terphenyl	*75.2*			*18.0-148*		*10/24/2020 17:52*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.6		1	10/26/2020 08:41	WG1564495

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	21.9		9.23	20.1	1	10/23/2020 09:39	WG1564052

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		0.0218	0.100	1	10/24/2020 06:54	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*10/24/2020 06:54*	WG1564548

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		0.000470	0.00101	1	10/25/2020 03:48	WG1564910
Toluene	U		0.00131	0.00504	1	10/25/2020 03:48	WG1564910
Ethylbenzene	U		0.000742	0.00252	1	10/25/2020 03:48	WG1564910
Total Xylenes	U		0.000886	0.00655	1	10/25/2020 03:48	WG1564910
(S) Toluene-d8	*102*			*75.0-131*		*10/25/2020 03:48*	WG1564910
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/25/2020 03:48*	WG1564910
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*10/25/2020 03:48*	WG1564910

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		1.62	4.01	1	10/24/2020 18:04	WG1564571
C28-C40 Oil Range	3.67	B J	0.275	4.01	1	10/24/2020 18:04	WG1564571
(S) o-Terphenyl	*68.2*			*18.0-148*		*10/24/2020 18:04*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.3		1	10/26/2020 08:41	WG1564495

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	295		9.27	20.1	1	10/23/2020 09:48	WG1564052

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		0.0219	0.101	1	10/24/2020 07:15	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*10/24/2020 07:15*	WG1564548

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		0.000474	0.00101	1	10/25/2020 04:07	WG1564910
Toluene	U		0.00132	0.00507	1	10/25/2020 04:07	WG1564910
Ethylbenzene	U		0.000748	0.00254	1	10/25/2020 04:07	WG1564910
Total Xylenes	U		0.000893	0.00659	1	10/25/2020 04:07	WG1564910
(S) Toluene-d8	*95.8*			*75.0-131*		*10/25/2020 04:07*	WG1564910
(S) 4-Bromofluorobenzene	*139*	J1		*67.0-138*		*10/25/2020 04:07*	WG1564910
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*10/25/2020 04:07*	WG1564910

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	2.74	J	1.62	4.03	1	10/24/2020 18:17	WG1564571
C28-C40 Oil Range	5.71		0.276	4.03	1	10/24/2020 18:17	WG1564571
(S) o-Terphenyl	*77.0*			*18.0-148*		*10/24/2020 18:17*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.0		1	10/26/2020 08:41	WG1564495

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		9.29	20.2	1	10/23/2020 10:17	WG1564052

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		0.0219	0.101	1	10/24/2020 07:36	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*10/24/2020 07:36*	WG1564548

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		0.000476	0.00102	1	10/25/2020 04:26	WG1564910
Toluene	U		0.00133	0.00510	1	10/25/2020 04:26	WG1564910
Ethylbenzene	U		0.000752	0.00255	1	10/25/2020 04:26	WG1564910
Total Xylenes	U		0.000898	0.00663	1	10/25/2020 04:26	WG1564910
(S) Toluene-d8	*108*			*75.0-131*		*10/25/2020 04:26*	WG1564910
(S) 4-Bromofluorobenzene	*92.4*			*67.0-138*		*10/25/2020 04:26*	WG1564910
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*10/25/2020 04:26*	WG1564910

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		1.63	4.04	1	10/24/2020 18:30	WG1564571
C28-C40 Oil Range	3.23	B J	0.277	4.04	1	10/24/2020 18:30	WG1564571
(S) o-Terphenyl	*76.6*			*18.0-148*		*10/24/2020 18:30*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.3		1	10/26/2020 08:41	WG1564495

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.8	23.5	1	10/23/2020 10:36	WG1564052

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		0.0254	0.117	1	10/24/2020 07:57	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*10/24/2020 07:57*	WG1564548

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		0.000628	0.00134	1	10/25/2020 04:45	WG1564910
Toluene	U		0.00175	0.00672	1	10/25/2020 04:45	WG1564910
Ethylbenzene	U		0.000991	0.00336	1	10/25/2020 04:45	WG1564910
Total Xylenes	U		0.00118	0.00874	1	10/25/2020 04:45	WG1564910
(S) Toluene-d8	*107*			*75.0-131*		*10/25/2020 04:45*	WG1564910
(S) 4-Bromofluorobenzene	*97.8*			*67.0-138*		*10/25/2020 04:45*	WG1564910
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*10/25/2020 04:45*	WG1564910

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	7.22		1.89	4.69	1	10/24/2020 18:43	WG1564571
C28-C40 Oil Range	5.00	B	0.321	4.69	1	10/24/2020 18:43	WG1564571
(S) o-Terphenyl	*56.2*			*18.0-148*		*10/24/2020 18:43*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.2		1	10/26/2020 08:49	WG1564496

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	90.0		9.28	20.2	1	10/23/2020 10:45	WG1564052

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	0.0252	J	0.0219	0.101	1	10/24/2020 08:18	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*10/24/2020 08:18*	WG1564548

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	10/25/2020 05:04	WG1564910
Toluene	U		0.00132	0.00508	1	10/25/2020 05:04	WG1564910
Ethylbenzene	U		0.000749	0.00254	1	10/25/2020 05:04	WG1564910
Total Xylenes	U		0.000895	0.00661	1	10/25/2020 05:04	WG1564910
(S) Toluene-d8	*133*	J1		*75.0-131*		*10/25/2020 05:04*	WG1564910
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*10/25/2020 05:04*	WG1564910
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/25/2020 05:04*	WG1564910

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	3.94	J	1.62	4.03	1	10/24/2020 18:55	WG1564571
C28-C40 Oil Range	17.7		0.276	4.03	1	10/24/2020 18:55	WG1564571
(S) o-Terphenyl	*72.7*			*18.0-148*		*10/24/2020 18:55*	WG1564571

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.5		1	10/26/2020 08:49	WG1564496

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	243		10.9	23.7	1	10/23/2020 10:55	WG1564052

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPH (GC/FID) Low Fraction	U		0.0257	0.118	1	10/24/2020 08:39	WG1564548
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*10/24/2020 08:39*	WG1564548

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		0.000638	0.00137	1	10/25/2020 05:23	WG1564910
Toluene	U		0.00178	0.00683	1	10/25/2020 05:23	WG1564910
Ethylbenzene	U		0.00101	0.00342	1	10/25/2020 05:23	WG1564910
Total Xylenes	U	J3	0.00120	0.00888	1	10/25/2020 05:23	WG1564910
(S) Toluene-d8	*113*			*75.0-131*		*10/25/2020 05:23*	WG1564910
(S) 4-Bromofluorobenzene	*121*			*67.0-138*		*10/25/2020 05:23*	WG1564910
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*10/25/2020 05:23*	WG1564910

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		1.90	4.73	1	10/24/2020 19:08	WG1564571
C28-C40 Oil Range	4.01	B J	0.324	4.73	1	10/24/2020 19:08	WG1564571
(S) o-Terphenyl	*68.0*			*18.0-148*		*10/24/2020 19:08*	WG1564571

Received by OCD: 11/6/2020 1:39:16 PM

QUALITY CONTROL SUMMARY

L1276281-01,02,03,04,05,06,07

Total Solids by Method 2540 G-2011

Method Blank (MB)

(MB) R3585515-1 10/24/20 04:27

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

L1276281-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1276281-01 10/24/20 04:27 • (DUP) R3585515-3 10/24/20 04:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.8	98.8	1	0.0259		10

Laboratory Control Sample (LCS)

(LCS) R3585515-2 10/24/20 04:27

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

Released to Imaging: 1/29/2021 12:58:05 PM

Method Blank (MB)

(MB) R3585687-1 10/26/20 08:41

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

L1276281-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1276281-12 10/26/20 08:41 • (DUP) R3585687-3 10/26/20 08:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.8	98.7	1	0.0425		10

Laboratory Control Sample (LCS)

(LCS) R3585687-2 10/26/20 08:41

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

Method Blank (MB)

(MB) R3585690-1 10/26/20 08:49

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

L1276470-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1276470-04 10/26/20 08:49 • (DUP) R3585690-3 10/26/20 08:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	89.6	90.9	1	1.36		10

Laboratory Control Sample (LCS)

(LCS) R3585690-2 10/26/20 08:49

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

Method Blank (MB)

(MB) R3584855-1 10/23/20 06:28

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

L1276281-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1276281-01 10/23/20 06:47 • (DUP) R3584855-3 10/23/20 06:57

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

L1276281-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1276281-16 10/23/20 10:17 • (DUP) R3584855-6 10/23/20 10:26

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	90.7	90.7	1	0.0695		20

Laboratory Control Sample (LCS)

(LCS) R3584855-2 10/23/20 06:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	216	108	90.0-110	

L1276281-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1276281-09 10/23/20 08:32 • (MS) R3584855-4 10/23/20 08:42 • (MSD) R3584855-5 10/23/20 08:51

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	430	982	972	106	104	1	80.0-120			1.06	20

Method Blank (MB)

(MB) R3585306-3 10/23/20 14:59

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)	*110*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3585306-2 10/23/20 14:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.16	93.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*103*	*77.0-120*	

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Method Blank (MB)

(MB) R3586217-3 10/24/20 04:53

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)	*109*			*77.0-120*

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

(LCS) R3586217-1 10/24/20 03:50 • (LCSD) R3586217-2 10/24/20 04:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	6.47	6.92	118	126	72.0-127			6.72	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*102*	*77.0-120*				

L1274523-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1274523-01 10/24/20 10:45 • (MS) R3586217-4 10/24/20 12:30 • (MSD) R3586217-5 10/24/20 12:52

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	84.8	U	112	99.4	132	117	25	10.0-151			11.8	28
(S) a,a,a-Trifluorotoluene(FID)					*110*	*108*		*77.0-120*				

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Method Blank (MB)

(MB) R3585699-3 10/24/20 23:01

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	*106*			*75.0-131*
(S) 4-Bromofluorobenzene	*95.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*95.0*			*70.0-130*

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

(LCS) R3585699-1 10/24/20 21:45 • (LCSD) R3585699-2 10/24/20 22:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.106	0.107	84.8	85.6	70.0-123			0.939	20
Ethylbenzene	0.125	0.119	0.114	95.2	91.2	74.0-126			4.29	20
Toluene	0.125	0.105	0.103	84.0	82.4	75.0-121			1.92	20
Xylenes, Total	0.375	0.347	0.351	92.5	93.6	72.0-127			1.15	20
(S) Toluene-d8				*104*	*105*	*75.0-131*				
(S) 4-Bromofluorobenzene				*98.8*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*104*	*70.0-130*				

L1276281-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1276281-19 10/25/20 05:23 • (MS) R3585699-4 10/25/20 05:42 • (MSD) R3585699-5 10/25/20 06:01

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 %
Benzene	0.171	U	0.124	0.111	72.7	65.1	1	10.0-149			11.0	37
Ethylbenzene	0.171	U	0.143	0.122	84.0	71.7	1	10.0-160			15.8	38
Toluene	0.171	U	0.134	0.110	78.7	64.3	1	10.0-156			20.1	38
Xylenes, Total	0.512	U	0.474	0.323	92.5	62.9	1	10.0-160		J3	38.1	38
(S) Toluene-d8					*120*	*97.8*		*75.0-131*				
(S) 4-Bromofluorobenzene					*116*	*76.7*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*98.6*	*101*		*70.0-130*				

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Method Blank (MB)

(MB) R3585921-2 10/26/20 15:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000500	J	0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*97.8*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3585921-1 10/26/20 14:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.125	0.131	105	70.0-123	
Ethylbenzene	0.125	0.105	84.0	74.0-126	
Toluene	0.125	0.113	90.4	75.0-121	
Xylenes, Total	0.375	0.331	88.3	72.0-127	
(S) Toluene-d8			*95.6*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.6*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*114*	*70.0-130*	

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Method Blank (MB)

(MB) R3585239-1 10/24/20 15:05

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	0.474	J	0.274	4.00
(S) o-Terphenyl	*77.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3585239-2 10/24/20 15:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.1	74.2	50.0-150	
(S) o-Terphenyl			*85.7*	*18.0-148*	

L1273988-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1273988-05 10/24/20 19:34 • (MS) R3585239-3 10/24/20 19:47 • (MSD) R3585239-4 10/24/20 19:59

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	72.1	14.1	65.7	85.6	71.6	99.8	1	50.0-150		J3	26.3	20
(S) o-Terphenyl					*52.1*	*58.4*		*18.0-148*				

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

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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.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.

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

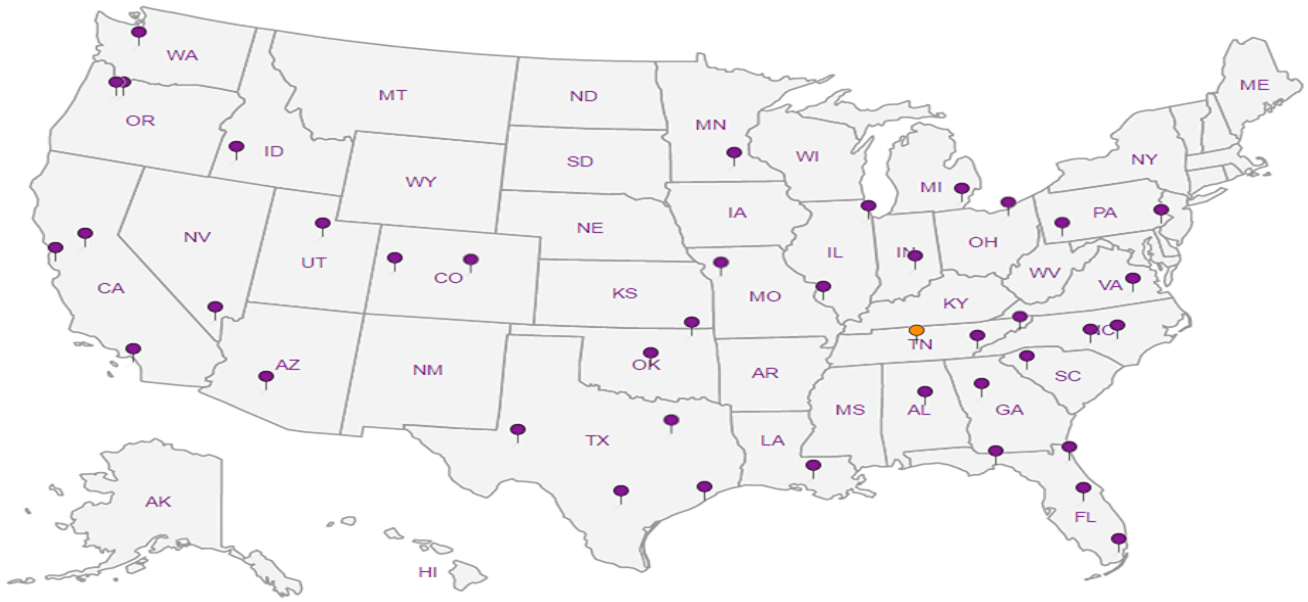
Third Party Federal Accreditations

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.



Analysis Request of Chain of Custody Record

F087

Tetra Tech, Inc.

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

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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	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
127681																																		
01	NSW-1	10/20/20	1000		X				X			1	N	X		X												X						
02	NSW-2	10/20/20	1020		X				X			1	N	X		X												X						
03	NSW-3	10/20/20	1040		X				X			1	N	X		X												X						
04	NSW-4	10/20/20	1100		X				X			1	N	X		X												X						
05	NSW-5	10/20/20	1120		X				X			1	N	X		X												X						
06	NSW-6	10/20/20	1140		X				X			1	N	X		X												X						
07	NSW-7	10/20/20	1200		X				X			1	N	X		X												X						
08	SSW-1	10/20/20	1220		X				X			1	N	X		X												X						
09	SSW-2	10/20/20	1240		X				X			1	N	X		X												X						
10	SSW-3	10/20/20	1300		X				X			1	N	X		X												X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Adrian Garcia	10/20/2020	1800	Joe Tyler	10/20/2020	1800
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Joe Tyler	10/21/2020	1500		10.21.20	15:30
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			Olivia Yu	10/22/20	900

LAB USE ONLY

Sample Temperature

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

0.5-1=0.3 SZ ck

ORIGINAL COPY

RAD SCREEN: 0.5 mR/hr

Analysis Request of Chain of Custody Record

Page : 2 of 2

Tetra Tech, Inc.

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

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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	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
127621																																	
11	SSW-4	10/20/20	1320		X				X			1	N	X		X												X					
12	SSW-5	10/20/20	1340		X				X			1	N	X		X												X					
13	SSW-6	10/20/20	1400		X				X			1	N	X		X												X					
14	SSW-7	10/20/20	1420		X				X			1	N	X		X												X					
15	ESW-3	10/20/20	1440		X				X			1	N	X		X												X					
16	ESW-4	10/20/20	1500		X				X			1	N	X		X												X					
17	ESW-5	10/20/20	1520		X				X			1	N	X		X												X					
18	ESW-6	10/20/20	1540		X				X			1	N	X		X												X					
19	ESW-7	10/20/20	1600		X				X			1	N	X		X												X					

Relinquished by:	Date:	Time:	Received by:	Date: Time:
Adrian Garcia	10/20/2020	1800	Joe Tyler	10/20/2020 1800
Relinquished by:	Date:	Time:	Received by:	Date: Time:
Joe Tyler	10/21/2020	1500		10.21.20 15:00
Relinquished by:	Date:	Time:	Received by:	Date: Time:
				10/22/20 900

ORIGINAL COPY

LAB USE ONLY

Sample Temperature

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

0.5-2-0.3 AC ck

BAD SCREEN: <0.5 mR/hr

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: Coptetra	276281	
Cooler Received/Opened On: 10 / 22 / 20 Temperature:	.5	
Received By: Olivia Turner		
Signature: Olivia Turner		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓	.	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

October 29, 2020

ConocoPhillips - Tetra Tech

Sample Delivery Group:	L1276977
Samples Received:	10/23/2020
Project Number:	212C-MD-02318
Description:	MCA 274 Wellhead Release
Site:	LEA COUNTY, NEW MEXICO
Report To:	Christian Llull
	901 West Wall
	Suite 100
	Midland, TX 79701

Entire Report Reviewed By: Erica McNeese

Erica McNeese
Project Manager

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

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Released to Imaging: 1/29/2021 12:58:05 PM

FS - 2 L1276977-01 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 08:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566013	1	10/27/20 23:50	10/28/20 00:03	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 04:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 00:29	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 21:09	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 07:34	JN	Mt. Juliet, TN

FS - 3 L1276977-02 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 09:00 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566013	1	10/27/20 23:50	10/28/20 00:03	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 04:22	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 00:54	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 21:28	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 10:02	JDG	Mt. Juliet, TN

FS - 4 L1276977-03 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 09:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566013	1	10/27/20 23:50	10/28/20 00:03	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 04:39	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 01:14	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 21:47	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 10:16	JDG	Mt. Juliet, TN

FS - 5 L1276977-04 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 10:00 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566013	1	10/27/20 23:50	10/28/20 00:03	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 05:30	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 01:35	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 22:06	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 10:31	JDG	Mt. Juliet, TN

FS - 6 L1276977-05 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 10:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566013	1	10/27/20 23:50	10/28/20 00:03	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 05:47	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 01:56	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 22:25	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 10:46	JDG	Mt. Juliet, TN

FS - 7 L1276977-06 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 11:00 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566013	1	10/27/20 23:50	10/28/20 00:03	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 06:04	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 02:17	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 22:43	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 14:24	JDG	Mt. Juliet, TN

FS - 8 L1276977-07 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 11:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 06:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 03:26	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 23:02	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 11:01	JDG	Mt. Juliet, TN

FS - 9 L1276977-08 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 12:00 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 06:37	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 04:24	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 23:21	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 12:56	JDG	Mt. Juliet, TN

FS - 10 L1276977-09 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 12:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 06:54	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 04:44	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 23:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 13:10	JDG	Mt. Juliet, TN

FS - 11 L1276977-10 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 13:00 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 07:11	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 05:05	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/27/20 23:58	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 13:25	JDG	Mt. Juliet, TN

FS - 12 L1276977-11 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 13:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 07:28	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 05:26	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/28/20 00:17	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 13:39	JDG	Mt. Juliet, TN

FS - 13 L1276977-12 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 14:00 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 07:45	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 06:11	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/28/20 00:36	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 13:54	JDG	Mt. Juliet, TN

FS - 14 L1276977-13 Solid

Collected by: Adrian Garcia | Collected date/time: 10/21/20 14:30 | Received date/time: 10/23/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1566014	1	10/27/20 23:26	10/27/20 23:45	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1565795	1	10/26/20 20:30	10/27/20 09:10	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1566564	1	10/27/20 16:28	10/28/20 06:32	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1566565	1	10/27/20 16:28	10/28/20 00:55	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1565216	1	10/26/20 16:29	10/27/20 14:09	JDG	Mt. Juliet, TN

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

Erica McNeese
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	10/28/2020 00:03	WG1566013

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	190		11.0	23.8	1	10/27/2020 04:05	WG1565795

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	0.0333	B J	0.0259	0.119	1	10/28/2020 00:29	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-120*		*10/28/2020 00:29*	WG1566564

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000823	J	0.000647	0.00139	1	10/27/2020 21:09	WG1566565
Toluene	U		0.00180	0.00693	1	10/27/2020 21:09	WG1566565
Ethylbenzene	U		0.00102	0.00346	1	10/27/2020 21:09	WG1566565
Total Xylenes	0.00284	J	0.00122	0.00901	1	10/27/2020 21:09	WG1566565
(S) Toluene-d8	*99.5*			*75.0-131*		*10/27/2020 21:09*	WG1566565
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*10/27/2020 21:09*	WG1566565
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/27/2020 21:09*	WG1566565

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	J6	1.92	4.77	1	10/27/2020 07:34	WG1565216
C28-C40 Oil Range	0.945	J	0.327	4.77	1	10/27/2020 07:34	WG1565216
(S) o-Terphenyl	*68.0*			*18.0-148*		*10/27/2020 07:34*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.8		1	10/28/2020 00:03	WG1566013

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	229		9.50	20.7	1	10/27/2020 04:22	WG1565795

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	0.0290	B J	0.0224	0.103	1	10/28/2020 00:54	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*77.0-120*		*10/28/2020 00:54*	WG1566564

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		0.000498	0.00107	1	10/27/2020 21:28	WG1566565
Toluene	U		0.00139	0.00533	1	10/27/2020 21:28	WG1566565
Ethylbenzene	U		0.000785	0.00266	1	10/27/2020 21:28	WG1566565
Total Xylenes	U		0.000938	0.00693	1	10/27/2020 21:28	WG1566565
(S) Toluene-d8	*99.4*			*75.0-131*		*10/27/2020 21:28*	WG1566565
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*10/27/2020 21:28*	WG1566565
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*10/27/2020 21:28*	WG1566565

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		1.66	4.13	1	10/27/2020 10:02	WG1565216
C28-C40 Oil Range	1.28	J	0.283	4.13	1	10/27/2020 10:02	WG1565216
(S) o-Terphenyl	*76.7*			*18.0-148*		*10/27/2020 10:02*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	10/28/2020 00:03	WG1566013

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	196		10.9	23.6	1	10/27/2020 04:39	WG1565795

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		0.0256	0.118	1	10/28/2020 01:14	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.8*			*77.0-120*		*10/28/2020 01:14*	WG1566564

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		0.000636	0.00136	1	10/27/2020 21:47	WG1566565
Toluene	U		0.00177	0.00681	1	10/27/2020 21:47	WG1566565
Ethylbenzene	U		0.00100	0.00341	1	10/27/2020 21:47	WG1566565
Total Xylenes	0.00263	J	0.00120	0.00886	1	10/27/2020 21:47	WG1566565
(S) Toluene-d8	*99.2*			*75.0-131*		*10/27/2020 21:47*	WG1566565
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/27/2020 21:47*	WG1566565
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/27/2020 21:47*	WG1566565

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		1.90	4.72	1	10/27/2020 10:16	WG1565216
C28-C40 Oil Range	0.568	J	0.324	4.72	1	10/27/2020 10:16	WG1565216
(S) o-Terphenyl	*70.2*			*18.0-148*		*10/27/2020 10:16*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	10/28/2020 00:03	WG1566013

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	30.6		9.98	21.7	1	10/27/2020 05:30	WG1565795

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	0.0254	B J	0.0235	0.108	1	10/28/2020 01:35	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.3*			*77.0-120*		*10/28/2020 01:35*	WG1566564

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000546	0.00117	1	10/27/2020 22:06	WG1566565
Toluene	U		0.00152	0.00585	1	10/27/2020 22:06	WG1566565
Ethylbenzene	U		0.000862	0.00292	1	10/27/2020 22:06	WG1566565
Total Xylenes	0.00140	J	0.00103	0.00760	1	10/27/2020 22:06	WG1566565
(S) Toluene-d8	*101*			*75.0-131*		*10/27/2020 22:06*	WG1566565
(S) 4-Bromofluorobenzene	*97.4*			*67.0-138*		*10/27/2020 22:06*	WG1566565
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/27/2020 22:06*	WG1566565

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		1.75	4.34	1	10/27/2020 10:31	WG1565216
C28-C40 Oil Range	1.27	J	0.297	4.34	1	10/27/2020 10:31	WG1565216
(S) o-Terphenyl	*58.9*			*18.0-148*		*10/27/2020 10:31*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	10/28/2020 00:03	WG1566013

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		11.2	24.4	1	10/27/2020 05:47	WG1565795

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	0.0273	B J	0.0265	0.122	1	10/28/2020 01:56	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.0*			*77.0-120*		*10/28/2020 01:56*	WG1566564

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		0.000673	0.00144	1	10/27/2020 22:25	WG1566565
Toluene	U		0.00187	0.00721	1	10/27/2020 22:25	WG1566565
Ethylbenzene	U		0.00106	0.00360	1	10/27/2020 22:25	WG1566565
Total Xylenes	0.00223	J	0.00127	0.00937	1	10/27/2020 22:25	WG1566565
(S) Toluene-d8	*100*			*75.0-131*		*10/27/2020 22:25*	WG1566565
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*10/27/2020 22:25*	WG1566565
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/27/2020 22:25*	WG1566565

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		1.96	4.88	1	10/27/2020 10:46	WG1565216
C28-C40 Oil Range	0.690	J	0.334	4.88	1	10/27/2020 10:46	WG1565216
(S) o-Terphenyl	*60.5*			*18.0-148*		*10/27/2020 10:46*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	10/28/2020 00:03	WG1566013

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	23.1		9.58	20.8	1	10/27/2020 06:04	WG1565795

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	0.0230	B J	0.0226	0.104	1	10/28/2020 02:17	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.1*			*77.0-120*		*10/28/2020 02:17*	WG1566564

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000506	0.00108	1	10/27/2020 22:43	WG1566565
Toluene	U		0.00141	0.00542	1	10/27/2020 22:43	WG1566565
Ethylbenzene	U		0.000798	0.00271	1	10/27/2020 22:43	WG1566565
Total Xylenes	0.00156	J	0.000953	0.00704	1	10/27/2020 22:43	WG1566565
(S) Toluene-d8	*96.9*			*75.0-131*		*10/27/2020 22:43*	WG1566565
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/27/2020 22:43*	WG1566565
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/27/2020 22:43*	WG1566565

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	4.17	1	10/27/2020 14:24	WG1565216
C28-C40 Oil Range	2.92	J	0.285	4.17	1	10/27/2020 14:24	WG1565216
(S) o-Terphenyl	*67.3*			*18.0-148*		*10/27/2020 14:24*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.6		1	10/27/2020 23:45	WG1566014

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	12.8	J	9.83	21.4	1	10/27/2020 06:21	WG1565795

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	0.0296	B J	0.0232	0.107	1	10/28/2020 03:26	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.7*			*77.0-120*		*10/28/2020 03:26*	WG1566564

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000531	0.00114	1	10/27/2020 23:02	WG1566565
Toluene	U		0.00148	0.00569	1	10/27/2020 23:02	WG1566565
Ethylbenzene	U		0.000838	0.00284	1	10/27/2020 23:02	WG1566565
Total Xylenes	0.00142	J	0.00100	0.00739	1	10/27/2020 23:02	WG1566565
(S) Toluene-d8	*97.0*			*75.0-131*		*10/27/2020 23:02*	WG1566565
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*10/27/2020 23:02*	WG1566565
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*10/27/2020 23:02*	WG1566565

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		1.72	4.27	1	10/27/2020 11:01	WG1565216
C28-C40 Oil Range	0.878	J	0.293	4.27	1	10/27/2020 11:01	WG1565216
(S) o-Terphenyl	*65.9*			*18.0-148*		*10/27/2020 11:01*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.0		1	10/27/2020 23:45	WG1566014

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.79	21.3	1	10/27/2020 06:37	WG1565795

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	0.0352	B J	0.0231	0.106	1	10/28/2020 04:24	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.6*			*77.0-120*		*10/28/2020 04:24*	WG1566564

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	10/27/2020 23:21	WG1566565
Toluene	U		0.00147	0.00564	1	10/27/2020 23:21	WG1566565
Ethylbenzene	U		0.000832	0.00282	1	10/27/2020 23:21	WG1566565
Total Xylenes	0.00120	J	0.000993	0.00733	1	10/27/2020 23:21	WG1566565
(S) Toluene-d8	*100*			*75.0-131*		*10/27/2020 23:21*	WG1566565
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/27/2020 23:21*	WG1566565
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/27/2020 23:21*	WG1566565

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	1.71	4.26	1	10/27/2020 12:56	WG1565216
C28-C40 Oil Range	1.06	J	0.292	4.26	1	10/27/2020 12:56	WG1565216
(S) o-Terphenyl	*66.3*			*18.0-148*		*10/27/2020 12:56*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	10/27/2020 23:45	WG1566014

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	178		11.0	24.0	1	10/27/2020 06:54	WG1565795

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	0.0346	B J	0.0260	0.120	1	10/28/2020 04:44	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.2*			*77.0-120*		*10/28/2020 04:44*	WG1566564

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		0.000653	0.00140	1	10/27/2020 23:40	WG1566565
Toluene	U		0.00182	0.00700	1	10/27/2020 23:40	WG1566565
Ethylbenzene	U		0.00103	0.00350	1	10/27/2020 23:40	WG1566565
Total Xylenes	0.00152	J	0.00123	0.00909	1	10/27/2020 23:40	WG1566565
(S) Toluene-d8	*97.6*			*75.0-131*		*10/27/2020 23:40*	WG1566565
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*10/27/2020 23:40*	WG1566565
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/27/2020 23:40*	WG1566565

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		1.93	4.79	1	10/27/2020 13:10	WG1565216
C28-C40 Oil Range	0.941	J	0.328	4.79	1	10/27/2020 13:10	WG1565216
(S) o-Terphenyl	*56.2*			*18.0-148*		*10/27/2020 13:10*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	10/27/2020 23:45	WG1566014

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		9.84	21.4	1	10/27/2020 07:11	WG1565795

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	0.0267	B J	0.0232	0.107	1	10/28/2020 05:05	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*		*10/28/2020 05:05*	WG1566564

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	U		0.000532	0.00114	1	10/27/2020 23:58	WG1566565
Toluene	U		0.00148	0.00570	1	10/27/2020 23:58	WG1566565
Ethylbenzene	U		0.000840	0.00285	1	10/27/2020 23:58	WG1566565
Total Xylenes	0.00180	J	0.00100	0.00740	1	10/27/2020 23:58	WG1566565
(S) Toluene-d8	*101*			*75.0-131*		*10/27/2020 23:58*	WG1566565
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/27/2020 23:58*	WG1566565
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/27/2020 23:58*	WG1566565

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	1.94	J	1.72	4.28	1	10/27/2020 13:25	WG1565216
C28-C40 Oil Range	2.62	J	0.293	4.28	1	10/27/2020 13:25	WG1565216
(S) o-Terphenyl	*70.2*			*18.0-148*		*10/27/2020 13:25*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	10/27/2020 23:45	WG1566014

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	142		11.1	24.2	1	10/27/2020 07:28	WG1565795

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	0.0310	B J	0.0263	0.121	1	10/28/2020 05:26	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*92.4*			*77.0-120*		*10/28/2020 05:26*	WG1566564

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		0.000665	0.00142	1	10/28/2020 00:17	WG1566565
Toluene	U		0.00185	0.00712	1	10/28/2020 00:17	WG1566565
Ethylbenzene	U		0.00105	0.00356	1	10/28/2020 00:17	WG1566565
Total Xylenes	0.00320	J	0.00125	0.00925	1	10/28/2020 00:17	WG1566565
(S) Toluene-d8	*98.8*			*75.0-131*		*10/28/2020 00:17*	WG1566565
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/28/2020 00:17*	WG1566565
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*10/28/2020 00:17*	WG1566565

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		1.95	4.85	1	10/27/2020 13:39	WG1565216
C28-C40 Oil Range	0.796	J	0.332	4.85	1	10/27/2020 13:39	WG1565216
(S) o-Terphenyl	*60.8*			*18.0-148*		*10/27/2020 13:39*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	10/27/2020 23:45	WG1566014

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	U		10.3	22.3	1	10/27/2020 07:45	WG1565795

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	0.0273	B J	0.0242	0.112	1	10/28/2020 06:11	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*91.4*			*77.0-120*		*10/28/2020 06:11*	WG1566564

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	10/28/2020 00:36	WG1566565
Toluene	U		0.00160	0.00616	1	10/28/2020 00:36	WG1566565
Ethylbenzene	U		0.000907	0.00308	1	10/28/2020 00:36	WG1566565
Total Xylenes	0.00154	J	0.00108	0.00800	1	10/28/2020 00:36	WG1566565
(S) Toluene-d8	*101*			*75.0-131*		*10/28/2020 00:36*	WG1566565
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*10/28/2020 00:36*	WG1566565
(S) 1,2-Dichloroethane-d4	*116*			*70.0-130*		*10/28/2020 00:36*	WG1566565

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	4.46	1	10/27/2020 13:54	WG1565216
C28-C40 Oil Range	3.44	J	0.306	4.46	1	10/27/2020 13:54	WG1565216
(S) o-Terphenyl	*57.5*			*18.0-148*		*10/27/2020 13:54*	WG1565216

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.5		1	10/27/2020 23:45	WG1566014

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Chloride	84.8		9.25	20.1	1	10/27/2020 09:10	WG1565795

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	0.0280	B J	0.0218	0.101	1	10/28/2020 06:32	WG1566564
(S) a,a,a-Trifluorotoluene(FID)	*93.2*			*77.0-120*		*10/28/2020 06:32*	WG1566564

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		0.000472	0.00101	1	10/28/2020 00:55	WG1566565
Toluene	U		0.00131	0.00505	1	10/28/2020 00:55	WG1566565
Ethylbenzene	U		0.000745	0.00253	1	10/28/2020 00:55	WG1566565
Total Xylenes	0.00168	J	0.000889	0.00657	1	10/28/2020 00:55	WG1566565
(S) Toluene-d8	*100*			*75.0-131*		*10/28/2020 00:55*	WG1566565
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*10/28/2020 00:55*	WG1566565
(S) 1,2-Dichloroethane-d4	*114*			*70.0-130*		*10/28/2020 00:55*	WG1566565

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		1.62	4.02	1	10/27/2020 14:09	WG1565216
C28-C40 Oil Range	2.51	J	0.275	4.02	1	10/27/2020 14:09	WG1565216
(S) o-Terphenyl	*76.9*			*18.0-148*		*10/27/2020 14:09*	WG1565216

Method Blank (MB)

(MB) R3586511-1 10/28/20 00:03

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

L1276977-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1276977-02 10/28/20 00:03 • (DUP) R3586511-3 10/28/20 00:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.8	96.8	1	0.0833		10

Laboratory Control Sample (LCS)

(LCS) R3586511-2 10/28/20 00:03

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3586507-1 10/27/20 23:45

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

L1276977-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1276977-13 10/27/20 23:45 • (DUP) R3586507-3 10/27/20 23:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	99.5	99.5	1	0.0120		10

Laboratory Control Sample (LCS)

(LCS) R3586507-2 10/27/20 23:45

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) R3586056-1 10/27/20 00:17

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

L1276696-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1276696-01 10/27/20 02:41 • (DUP) R3586056-3 10/27/20 02:57

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

L1276977-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1276977-13 10/27/20 09:10 • (DUP) R3586056-6 10/27/20 09:27

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	84.8	84.7	1	0.0579		20

Laboratory Control Sample (LCS)

(LCS) R3586056-2 10/27/20 00:34

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	205	102	90.0-110	

L1276977-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1276977-12 10/27/20 07:45 • (MS) R3586056-4 10/27/20 08:02 • (MSD) R3586056-5 10/27/20 08:53

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 %
Chloride	558	U	571	573	102	103	1	80.0-120			0.427	20

Method Blank (MB)

(MB) R3587156-2 10/27/20 23:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	0.0293	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*89.6*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3587156-1 10/27/20 23:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.76	105	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	

L1276084-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1276084-02 10/28/20 07:54 • (MS) R3587156-3 10/28/20 09:32 • (MSD) R3587156-4 10/28/20 09:52

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	550	56.4	414	383	65.0	59.4	100	10.0-151			7.78	28
(S) a,a,a-Trifluorotoluene(FID)					*107*	*106*		*77.0-120*				

Method Blank (MB)

(MB) R3587189-3 10/27/20 19:44

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	*99.6*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

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

(LCS) R3587189-1 10/27/20 17:57 • (LCSD) R3587189-2 10/27/20 18:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.137	0.136	110	109	70.0-123			0.733	20
Ethylbenzene	0.125	0.121	0.120	96.8	96.0	74.0-126			0.830	20
Toluene	0.125	0.121	0.119	96.8	95.2	75.0-121			1.67	20
Xylenes, Total	0.375	0.352	0.359	93.9	95.7	72.0-127			1.97	20
(S) Toluene-d8				*96.9*	*99.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*96.8*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*113*	*117*	*70.0-130*				

L1277041-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1277041-05 10/28/20 02:11 • (MS) R3587189-4 10/28/20 03:26 • (MSD) R3587189-5 10/28/20 03:45

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 %
Benzene	1.33	0.557	2.26	2.29	128	130	9.44	10.0-149			1.49	37
Ethylbenzene	1.33	51.4	53.2	52.0	136	50.8	9.44	10.0-160	E	E	2.15	38
Toluene	1.33	68.3	66.2	62.7	0.000	0.000	9.44	10.0-156	E V	E V	5.43	38
Xylenes, Total	4.00	338	323	312	0.000	0.000	9.44	10.0-160	V	V	3.56	38
(S) Toluene-d8					*88.8*	*86.9*		*75.0-131*				
(S) 4-Bromofluorobenzene					*97.9*	*95.7*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*118*	*121*		*70.0-130*				

Method Blank (MB)

(MB) R3585987-1 10/27/20 07:05

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	U		0.274	4.00
(S) o-Terphenyl	*65.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3585987-2 10/27/20 07:20

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			*78.8*	*18.0-148*	

L1276977-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1276977-01 10/27/20 07:34 • (MS) R3585987-3 10/27/20 07:49 • (MSD) R3585987-4 10/27/20 08:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	58.7	U	27.3	25.6	46.5	43.5	1	50.0-150	J6	J6	6.31	20
(S) o-Terphenyl					*54.6*	*51.4*		*18.0-148*				

Guide to Reading and Understanding Your Laboratory Report

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

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

Abbreviations and Definitions

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

Qualifier	Description
B	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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

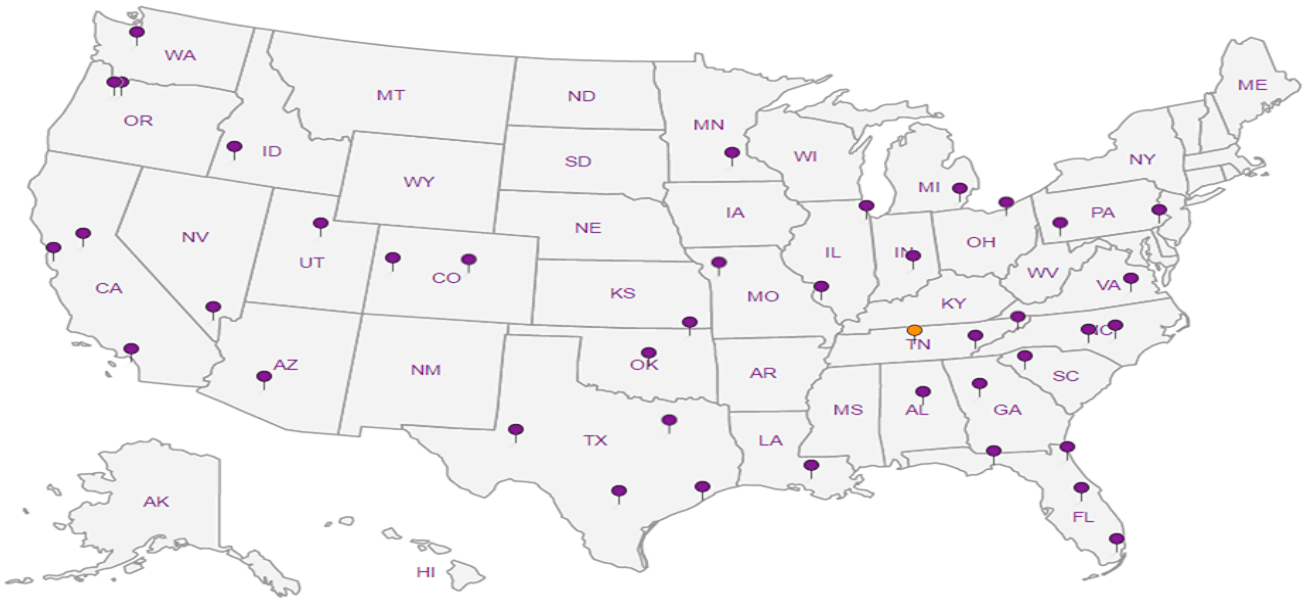
Third Party Federal Accreditations

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.



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

1276977 D113

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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	MATRIX	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	PRESERVATIVE METHOD NONE	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	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
	FS - 2	10/21/2020	830		X				X			1	N	X		X												X								-01
	FS - 3	10/21/2020	900		X				X			1	N	X		X												X								-02
	FS - 4	10/21/2020	930		X				X			1	N	X		X												X								-03
	FS - 5	10/21/2020	1000		X				X			1	N	X		X												X								-04
	FS - 6	10/21/2020	1030		X				X			1	N	X		X												X								-05
	FS - 7	10/21/2020	1100		X				X			1	N	X		X												X								-06
	FS - 8	10/21/2020	1130		X				X			1	N	X		X												X								-07
	FS - 9	10/21/2020	1200		X				X			1	N	X		X												X								-08
	FS - 10	10/21/2020	1230		X				X			1	N	X		X												X								-09
	FS - 11	10/21/2020	1300		X				X			1	N	X		X												X								-10

Relinquished by:	Date: 10.22.20 10/20/20	Time: 1630	Received by: Date: 10.22.20 Time: 1630
Relinquished by:	Date: 10.22.20	Time: 17:00	Received by: FedEx Date: 10.22.20 Time: 17:00
Relinquished by:	Date:	Time:	Received by: Date: 10/23 Time: 0500

LAB USE ONLY

Sample Temperature

3.7+0=3.7

REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

RAD SCREEN: <0.5 mR/hr

Analysis Request of Chain of Custody Record

Page : 1 of 2

Tetra Tech, Inc.

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

H278177

Client Name:	Conoco Phillips	**Site Manager:**	Christian Llull
Project Name:	MCA 274 Wellhead Release	**Contact Info:**	Email: christian.llull@tetratech.com Phone: (512) 338-1667
Project Location: (county, state)	Lea County, New Mexico	**Project #:**	212C-MD-02318
Invoice to:	Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701		
Receiving Laboratory:	Pace Analytical	**Sampler Signature:**	Adrian Garcia
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	PCBs 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
	FS - 12	10/21/2020	1330		X			X		1	N	X		X												X					11
	FS - 13	10/21/2020	1400		X			X		1	N	X		X												X					12
	FS - 14	10/21/2020	1430		X			X		1	N	X		X												X					13

Relinquished by:	Date: 10.22.20	Time: 1630	Received by:	Date: 10.22.20	Time: 16:30
Relinquished by:	Date: 10.22.20	Time: 17:00	Received by: FedEx	Date: 10.22.20	Time: 17:00
Relinquished by:	Date:	Time:	Received by:	Date: 10/23	Time: 0:50

LAB USE ONLY
Sample Temperature

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

3.730=3.7 AR CK

ORIGINAL COPY

RAD SCREEN: <0.5 mR/hr

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:		L1278177
Cooler Received/Opened On: 10 / 23 / 20	Temperature:	3.7
Received By: JOEY BRENT		
Signature:		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			
COC Signed / Accurate?			
Bottles arrive intact?			
Correct bottles used?			
Sufficient volume sent?			
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

APPENDIX D
Soil Boring Logs

212C-MD-02318 | TETRA TECH | **LOG OF BORING V-1** | Page 1 of 1

Project Name: MCA 274 Wellhead Release

Borehole Location: GPS: 32.809324, -103.767107 | Surface Elevation: 4010 ft

Borehole Number: V-1 | Borehole Diameter (in.): 8 | Date Started: 9/15/2020 | Date Finished: 9/15/2020

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
			501	-								-- Previously Excavated Soil	1	V-1 (0'-1')
			340	-								**-SM-** SILTY SAND; Brown, Loose, Dry, with no hydrocarbon odor, with no staining		V-1 (1'-2')
			480	-								-- Slightly moist		V-1 (2'-3')
			499	-								-- Grading to Reddish-Brown	4	V-1 (3'-4')

Bottom of borehole at 4.0 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:
Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value.

Logger: Adrian Garcia | Drilling Equipment: Air Rotary | Driller: McNabb

212C-MD-02318 | TETRA TECH | **LOG OF BORING V-2** | Page 1 of 1

Project Name: MCA 274 Wellhead Release

Borehole Location: GPS: 32.809407, -103.766997 | Surface Elevation: 4009 ft

Borehole Number: V-2 | Borehole Diameter (in.): 8 | Date Started: 9/15/2020 | Date Finished: 9/15/2020

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
			-	-								-- Previously Excavated Soil	1	V-2 (0'-1')
			300	-								**-SM-** SILTY SAND; Brown, loose, Dry, with no hydrocarbon odor, with no staining		V-2 (1'-2')
			410	-										V-2 (2'-3')
			570	-								-- Grading to Reddish brown, moist	4	V-2 (3'-4')

Bottom of borehole at 4.0 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:

Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value.

Logger: Adrian Garcia | Drilling Equipment: Air Rotary | Driller: McNabb

212C-MD-02318 | TETRA TECH | **LOG OF BORING V-3** | Page 1 of 1

Project Name: MCA 274 Wellhead Release

Borehole Location: GPS: 32.809304, -103.767089 | Surface Elevation: 4009 ft

Borehole Number: V-3 | Borehole Diameter (in.): 8 | Date Started: 9/15/2020 | Date Finished: 9/15/2020

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
			-	-								-- Previously Excavated Soil	1	V-3 (0'-1')
			413	-								**-SM-** SILTY SAND; Brown, Loose, Dry, with no hydrocarbon odor, with no staining		V-3 (1'-2')
			409	-										V-3 (2'-3')
			350	-								-- Grading to Reddish brown, moist	4	V-3 (3'-4')

Bottom of borehole at 4.0 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:
Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value.

Logger: Adrian Garcia | Drilling Equipment: Air Rotary | Driller: McNabb

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APPENDIX E
Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/14/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M33
Card #	
Job Ref #	

Ticket #:	700-1166077
Bid #:	O6UJ9A0009Z1
Date:	9/14/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/14/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1166148
Bid #:	O6UJ9A0009Z1
Date:	9/14/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1166138
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	9/14/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	9/14/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	ACIE	Field:	
Truck #	M80	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature	R360 Representative Signature
_____	_____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/14/2020
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1166142
Bid #:	O6UJ9A0009Z1
Date:	9/14/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1166399
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	9/15/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	9/15/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	JESUS	Field:	
Truck #	M31	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	14.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1166287
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	9/15/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	9/15/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	JESUS	Field:	
Truck #	M31	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/15/2020
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1166329
Bid #:	O6UJ9A0009Z1
Date:	9/15/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/15/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1166393
Bid #:	O6UJ9A0009Z1
Date:	9/15/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/15/2020
Hauler:	MCNABB PARTNERS
Driver	GUMMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1166328
Bid #:	O6UJ9A0009Z1
Date:	9/15/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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9/15/2020 11:30:54AM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/15/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1166286
Bid #:	O6UJ9A0009Z1
Date:	9/15/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	9/15/2020
Hauler:	MCNABB PARTNERS
Driver	JOE
Truck #	M81
Card #	
Job Ref #	

Ticket #:	700-1166288
Bid #:	O6UJ9A0009Z1
Date:	9/15/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/20/2020
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1171813
Bid #:	O6UJ9A0009Z1
Date:	10/20/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1171805
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	10/20/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	10/20/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/20/2020
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1171810
Bid #:	O6UJ9A0009Z1
Date:	10/20/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1171931
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	10/21/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	10/21/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	JESUS	Field:	
Truck #	M31	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

Released to Imaging: 1/29/2021 12:58:05 PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1171980
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	10/21/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	10/21/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	JESUS	Field:	
Truck #	M31	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/21/2020
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1172053
Bid #:	O6UJ9A0009Z1
Date:	10/21/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/21/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1171930
Bid #:	O6UJ9A0009Z1
Date:	10/21/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/21/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1171978
Bid #:	O6UJ9A0009Z1
Date:	10/21/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/21/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1172052
Bid #:	O6UJ9A0009Z1
Date:	10/21/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/21/2020
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1172057
Bid #:	O6UJ9A0009Z1
Date:	10/21/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/21/2020
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1171999
Bid #:	O6UJ9A0009Z1
Date:	10/21/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/22/2020
Hauler:	MCNABB PARTNERS
Driver	JESUS
Truck #	M31
Card #	
Job Ref #	

Ticket #:	700-1172168
Bid #:	O6UJ9A0009Z1
Date:	10/22/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

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R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1172213
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	10/22/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	10/22/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	JESUS	Field:	
Truck #	M31	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/22/2020
Hauler:	MCNABB PARTNERS
Driver	GUMER
Truck #	M32
Card #	
Job Ref #	

Ticket #:	700-1172167
Bid #:	O6UJ9A0009Z1
Date:	10/22/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1172212
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	10/22/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	10/22/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0			2.00			

Generator Certification Statement of Waste Status

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Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS	Ticket #:	700-1172231
Customer #:	CRI2190	Bid #:	O6UJ9A0009Z1
Ordered by:	JUSTIN WRIGHT	Date:	10/22/2020
AFE #:		Generator:	CONOCOPHILLIPS
PO #:		Generator #:	
Manifest #:	NA	Well Ser. #:	23731
Manif. Date:	10/22/2020	Well Name:	MCA UNIT
Hauler:	MCNABB PARTNERS	Well #:	274
Driver	GUMER	Field:	
Truck #	M32	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	LEA (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					0	

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

Customer Approval

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Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CONOCOPHILLIPS
Customer #:	CRI2190
Ordered by:	JUSTIN WRIGHT
AFE #:	
PO #:	
Manifest #:	NA
Manif. Date:	10/22/2020
Hauler:	MCNABB PARTNERS
Driver	ACIE
Truck #	M80
Card #	
Job Ref #	

Ticket #:	700-1172170
Bid #:	O6UJ9A0009Z1
Date:	10/22/2020
Generator:	CONOCOPHILLIPS
Generator #:	
Well Ser. #:	23731
Well Name:	MCA UNIT
Well #:	274
Field:	
Field #:	
Rig:	NON-DRILLING
County	LEA (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature **R360 Representative Signature**

_____ _____

Customer Approval

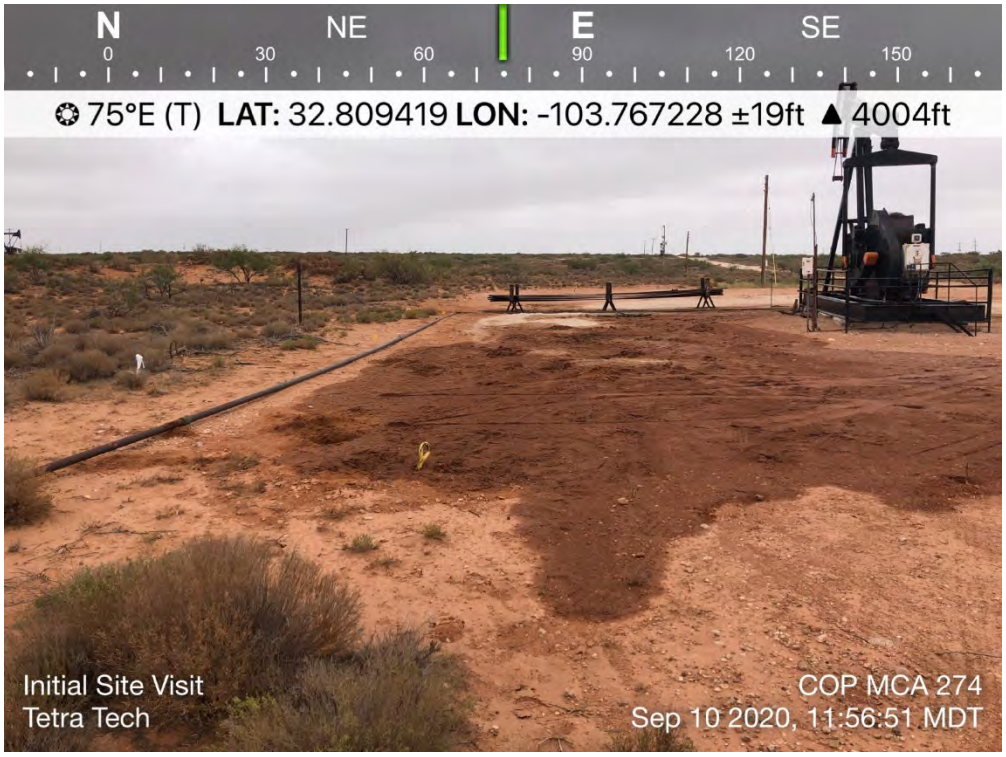
THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

Released to Imaging: 1/29/2021 12:58:05 PM

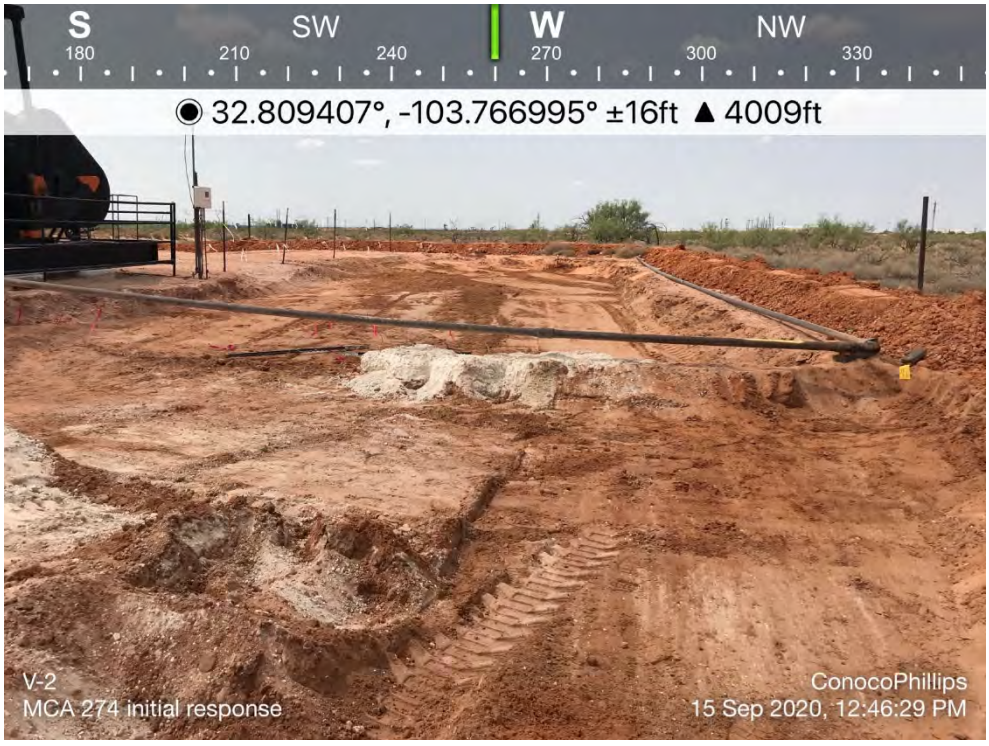
APPENDIX F
Photographic Documentation

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View west of release area. Site Coordinates: 32.809254°, -103.767082°	1
	SITE NAME	MCA 274 Wellhead Release	9/10/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View east of release area.	2
	SITE NAME	MCA 274 Wellhead Release	9/14/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View west of southern portion of release area.	3
	SITE NAME	MCA 274 Wellhead Release	9/14/2020



TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View west of initial response area footprint.	4
	SITE NAME	MCA 274 Wellhead Release	9/14/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View west of excavation at southern portion of release area (at V-3)	5
	SITE NAME	MCA 274 Wellhead Release	9/19/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View east of excavation at eastern portion of release area (at FS-4 and FS-5)	6
	SITE NAME	MCA 274 Wellhead Release	10/22/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View southeast of excavation at western portion of release area (at FS-6 through FS-9)	7
	SITE NAME	MCA 274 Wellhead Release	10/22/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View west of excavation at western portion of release area (at FS-14)	8
	SITE NAME	MCA 274 Wellhead Release	10/22/2020

TETRA TECH, INC. PROJECT NO. 212C-MD-02318	DESCRIPTION	View east of excavation at western portion of release area (at FS-7 through FS-10)	9
	SITE NAME	MCA 274 Wellhead Release	10/22/2020

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 11100

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
CONOCOPHILLIPS COMPANY P.O.Box 2197 Office SP2-12-W156 Houston, TX77252	217817	11100	C-141

OCD Reviewer	Condition
ceads	None